Lancaster Farming

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Browncroft cow tops Sire Power Sale

Browncroft Jetson Elsie topped Wednesday's Sire Power Sale held at the Kutztown Fairgrounds. The four-year-old was purchased by Odyssey Farm, New York for $19,500. Pictured with the high-selling animal are: from left, consignors William and Janet Brown, buyer representatives for Odyssey Farm, New York, Sire Power's Lloyd Ebersole, and Howard Binder, Jr., contending bidder, along with members of Remsburg Sales Service and R. Austin Backus, Inc., from left, back row, Charles Backus, Doty Remsburg, Horace Backus and Sire Power general Manager DuWayne Kutz. See story page A26.

Dairy plans narrow to one

BY DONNA TOMMELLEO

WASHINGTON, D.C. — While the U.S. Senate Agricultural Committee, last week, ignored all proposed dairy legislation during budget discussions, the U.S. House Ag Committee reported on the National Milk Producers price stabilization and promotion program, said USDA spokesman Tom Kay.

The NMPF program remained the only piece of dairy legislation, still very much alive in Congress.

"Everything else has bitten the dust," Kay reported.

In attempting to reduce the federal ag budget by $779 million required by the 1982 Congressional budget resolution, the Senate ag committee recommended a proposal to establish the minimum price support for milk at $13.10 per hundredweight through September 30, 1985.

Savings achieved by the committee's milk price support proposal are: $150 million in fiscal 1983; $520 in 1984; and $845 in 1985.

The Senate committee, however, has regarded the price freeze as a short term action taken to meet the budget savings and is expected to meet again to consider pending dairy legislation, said committee chief economist Bill Bailey.

"The full committee agreed that further action would be needed but what and when have not been decided," Bailey announced.

However, Senator Paula Hawkins (R-Fla.) is expected to introduce an amendment, next week, on the Senate floor, which calls for an immediate 50 cent reduction in the current support price. According to Hawkins' spokeswoman Mary Kenkel, the Florida senator also is calling for a $12 per hundredweight support level for January 1, 1983.

Meanwhile, full U.S. House ag committee approved the NMPF proposal, but recommended combining the price stabilization and promotion resolutions into one program, said NMPF spokeswoman Doni Dondero.

To stabilize the support level, the NMPF plan calls for a support price of $13.10 per hundredweight of milk for fiscal 1983. In subsequent years the support price would be established to reflect the same level of parity that $13.10 was at the beginning of fiscal 1983 ($13.10 will be 67 to 68 percent of parity for manufacturing milk estimated for October 1, 1982).

To administer the program, the proposal calls for a dairy board appointed by the Secretary of Agriculture.

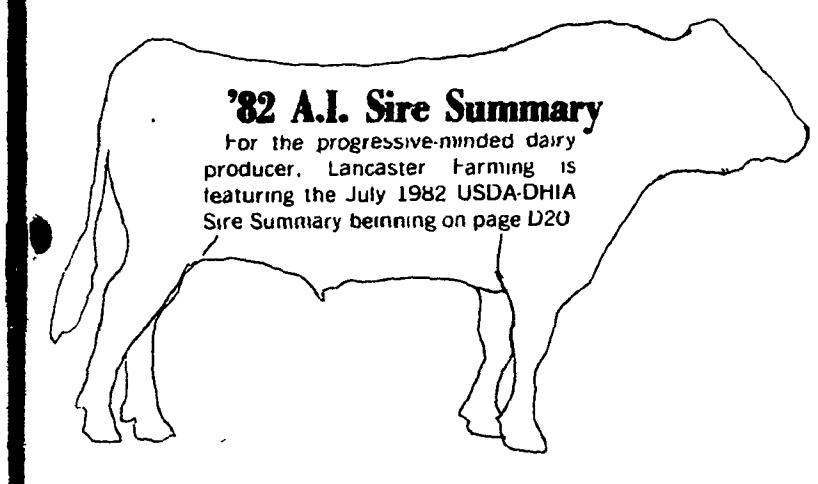
Other segments of the stabilization program include: government financing sufficient to purchase and manage up to the equivalent of 5 billion pounds of milk annually; producer financing sufficient to purchase dairy products in excess of 5 billion pounds milk quivalent; producer assessment percentage related to the national surplus.

For example, if the national surplus is estimated at 10 percent, farmers would receive full market price for 90 percent of their milk. The remaining 10 percent will receive a reduced price, related to the world market price.

The difference between the full market price and the world price will collected into a fund. The money will be used to purchase the portion of milk not used in federal programs.

The NMPF product promotion

(Turn to Page A35)


'82 A.I. Sire Summary
For the progressive-minded dairy producer, Lancaster Farming is featuring the July 1982 USDA-DHIA Sire Summary beinning on page D20

Conestoga Growers expanding markets

BY DICK ANGLESTEIN

BLUE BALL — Only in its third year of operation, the Conestoga Valley Growers Association continues to expand, marketing a greater variety of Lancaster County vegetables across an ever widening area.

As the local cantaloupe season prepares to move into full swing, the cooperative marketing venture in Eastern Lancaster County now includes 115 farmers growing a half-dozen different truck crops on some 260 acres.

"We have a 100 percent increase in our marketing outlets over last year and expect about a 45 percent increase in gross volume of shipments," according to Lester W. Martin, R2 East Earl, president of the Conestoga Valley Growers.

The loading dock and transfer point for shipments, located along Rt. 322 east of Blue Ball, has been expanded over the past winter to accommodate the expected increased shipments.

This year's truck crops include a new speciality item that is being tried for the first time — horseradish.

"We have 75 acres of horseradish out," Martin said.

"There are only three processor markets for horseradish in the country, but we'll be giving it a try.

"Also, it has possibilities in the future in the export market."

This year's crop list also includes such items as brocoli and Sugar Baby watermelons, which were tried on a limited basis last year and expanded this year.

Acreage totals this year include 15 of fall brocoli, 31 of fall cauliflower, the 75 in horseradish, 15 in Sugar Babies, 9 in sweet corn and 115 in cantaloupes.

As the figures show, cantaloupes remain the dominant crop. The cooperative marketing venture started three years ago with a volume of about $15,000 largely in cantaloupes. This year, total volume of shipments may approach a half million dollars.

And there are plans for continuing the mix of vegetables. Next year, stake tomatoes will be grown and acreage plans will be determined at a meeting later this year.

Shipments thus far have included spring brocoli and cauliflower, along with sweet corn.

During the coming week, the cantaloupes will start coming in and the loading dock will be kept quite busy receiving the lopes from growers and loading them for shipment to supermarkets and other customers along the Eastern Seaboard.

Approximately a 25 percent increase in cantaloupe shipments may be achieved this year.

"It looks like a good crop but not as good as last year," Martin said.

"Yields will be down from last year unless there's a lot of production during the next three or four weeks.

"There was too much rain during the first set of pollination, producing a lot of small melons which won't be shipped."

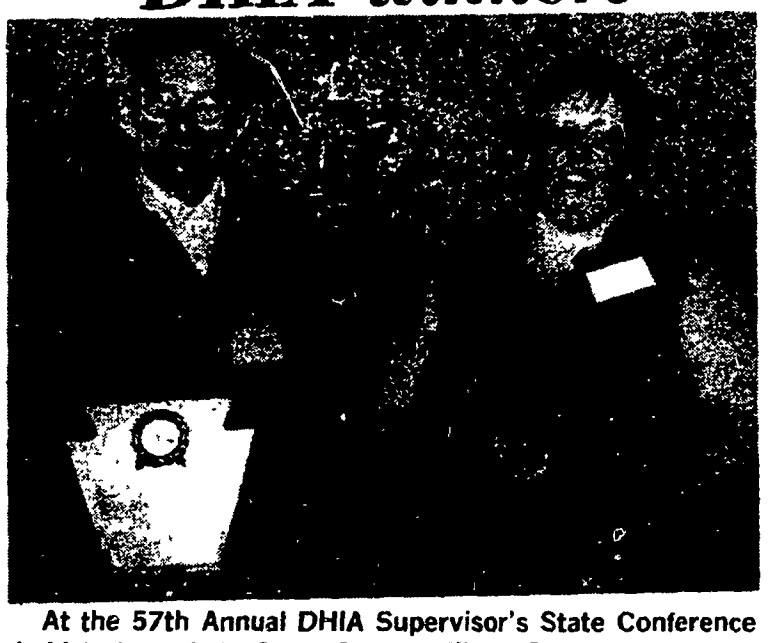
As a counterpart to the cantaloupes, the smaller Sugar Baby watermelons were tried on an experimental basis last year.

The Sugar Babies, the smaller original watermelon, is considered to have a better taste, but also has a thinner skin and is not grown by the larger commercial operations, which favor the tougher skinned hybrids.

If the Sugar Babies continue to catch on, their numbers will also be increased next year.

Conestoga Valley Growers Inc., organized by Martin, is designed to achieve orderly marketing of suitable cash crops that can be grown on limited acreage on the farms of Eastern Lancaster County that stretch roughly from Hinkletown along Rt. 322 down through the Blue Ball area.

DHIA winners



At the 57th Annual DHIA Supervisor's State Conference held last week in State College, Floyd Zook of Lancaster County and Martha Ohl of Erie County were presented Distinguished Service Awards. See story, page A32.

Livestock market and auction news

Lancaster Market

Monday, July 26
Report supplied by USDA

	Cattle	Calves	Hogs	Sheep
Today	1227	143	712	352
Last Monday	1051	105	650	275
Last Year	1342	86	1151	148
Monday's Auction	1250	117	715	336
Last Monday's Auction	1053	105	660	277

CATTLE: Compared to last Wednesday slaughter steers uneven, high Choice and Prime, and a few Choice over 1150 lb. 50-1.00 higher, bulk of Choice steady to weak, instances 50 lower on Choice 950-1025 lb., Good steady to 1.00 lower; slaughter heifers 1.00-1.50 lower; cows firm to 1.00 higher; bullocks steady to 1.00 lower; bulls 1.00-2.00 lower. Supply included 67% slaughter steers, 10% slaughter heifers, 10% cows, and 13% bulls.

SLAUGHTER STEERS: High Choice and Prime 3-4 1175-1435 lb. 68.50-71.10; Good and Choice 1-2 1150-1325 lb. 66.25-69.10; Choice 2-4 1100-1350 lb. 64.50-67.50, few 67.50-68.75; Choice 2-3 1050-1100 lb. 63.50-66.50, 960-1050 lb. 62.00-63.50; high Good and low Choice 2-3 1050-1350 lb. 60.75-64.00; Good 2-3 57.50-62.50; one lot Choice and Prime 1350-1505 lb. Holsteins 56.25-57.25, Good and Choice 1200-1450 lb. 52.00-55.50; few Standard 1-2 50.50-52.00.

SLAUGHTER HEIFERS: High Choice and Prime 3-4 1080-1180 lb. 62.25-64.00, one lot 1214 lb. 67.00; Choice 2-3 850-1100 lb. 56.00-60.25, few 60.25-62.50; Good 2-3 825-1050 lb. 49.75-55.75.

COWS: Utility and Commercial 1-3 43.00-45.50, few high dressing Utility 46.00-47.00; Cutter 1-2 41.00-43.00, few to 44.00; Canner and low Cutter 38.00-41.00.

BULLOCKS: Choice 1050-1350 lb. 55.00-58.25, couple 59.00-61.00; Good 1000-1350 lb. 51.75-55.50.

BULLS: Yield grade 1 1350-1850 lb. 50.75-54.75, few 55.00-57.75; yield grade 2 1000-1450 lb. 49.00-52.00.

VEAL CALVES: Vealers weak to 5.00 lower. Demand fair for Holstein bulls to return to farm.

VEALERS: Few Prime special fed 280-350 lb. 92.00-110.00; Choice 180-350 lb. 74.00-85.00; Good 120-250 lb. 65.00-75.00; high Good and low Choice 110-140 lb. 60.00-65.00, 80-110 lb. 55.00-60.00.

RETURNED TO FARM: Few 90-115 lb. Holstein bulls 75.00-86.00.

SHEEP: Spring lambs 2.00-3.00 lower; slaughter ewes steady to weak.

SPRING LAMBS: Choice and Prime 85-110 lb. 58.00-62.00, few 65.00; Good 60-90 lb. 50.00-60.00 few 45.00-50.00.

SLAUGHTER EWES: Utility and Good 20.00-22.00.

Vintage Auction

Tuesday, July 27
Report supplied by USDA

	Cattle	Calves	Sheep	Goats
Today	1106	973	28	13
Last Tuesday	1242	939	22	17
Last Year	1447	868	26	0

CATTLE: Compared to last Tuesday slaughter steers uneven, high Choice and Prime 2.00-3.00 higher, Choice 50-1.00 higher instances 2.00 higher, Good to low Choice firm to 50 higher; slaughter heifers firm to 1.00 higher; cows firm to 1.00 higher, instances 2.00 higher on Utility and Commercial; bulls weak to 1.00 lower. Supply included 67% slaughter steers, 6% slaughter heifers, 24% cows and 3% bulls.

SLAUGHTER STEERS: High Choice and Prime 3-4 1150-1425 lb. 68.75-71.75, around 25 head 72.00-73.00 with a couple 73.25-73.85; Good and Choice 1-2 1060-1325 lb. 68.75-70.50, few 70.50-72.00; Choice 2-4 1100-1350 lb. 63.75-68.25, few 68.50-69.50; Choice 2-3 1000-1100 lb. 63.00-65.50; high Good and low Choice 2-3 1050-1350 lb. 61.50-65.00; Good 2-3 58.00-62.50; few Good and Choice 1175-1400 lb. Holsteins 54.25-57.25; Standard 1-2 50.50-54.50.

SLAUGHTER HEIFERS: Choice 2-3 875-1125 lb. 57.00-61.50, few yield grade 2 63.00-64.10; Good 2-3 825-1050 lb. 54.00-58.00.

COWS: Utility and Commercial 1-3 44.00-47.25, few 47.50-49.75; Commercial 3-4 42.50-44.50; Cutter 1-2 41.50-44.00, few 44.00-45.50; Canner and low Cutter 36.00-41.00.

BULLS: Yield grade 1 1450-1900, couple 2100-2340 lb. 50.00-52.00, couple 53.60-55.85, individual 64.35; yield grade 2 1000-1450 lb. 47.50-50.00.

VEAL CALVES: Vealers 5.00-10.00 lower. Supply included 675 in graded sale of which 53% sold to return to farm.

VEALERS: Choice 170-320 lb. 64.00-80.00, couple 80.00-85.00; Good 150-200 lb. 55.00-65.00; high Good and low Choice 90-120 lb. 44.50-54.00, 70-90 lb. 39.50-43.00, one lot 50-65 lb. 34.50.

RETURN TO FARM: 76 head 90-115 lb. Holstein heifers 56.00-63.00, 31 head 80-90 lb. 52.00-53.00; 18 head 120-125 lb. Holstein bulls 73.00, 61 head 110-115 lb. 74.00-78.00, 103 head 100-105 lb. 81.00-83.00, 54 head 90-95 lb. 52.00-55.00, 14 head small frame 105-115 lb. 54.00.

SHEEP: Few spring lambs mostly steady.

SPRING LAMBS: Few Choice 65-95 lb. 58.00-62.00; few Good 60-85 lb. 44.00-54.00.

GOATS: Insufficient volume to fully test market.

Lancaster Auction

Wednesday, July 28
Report supplied by USDA

	Cattle	Calves	Hogs	Sheep
Today	205	26	793	2
Last Wednesday	298	32	931	23
Last Year	315	48	1044	0
Wednesday's Auction	256	26	761	0
Last Wednesday's Auction	229	40	963	22

CATTLE: Compared to Monday, small supply slaughter steers steady to weak; slaughter heifers weak to 1.00 lower; cows steady to weak; bulls steady, instances 1.00 lower. Supply included 62 percent slaughter steers, 6 percent slaughter heifers, 17 percent cows, and 15 percent bulls.

SLAUGHTER STEERS: Few high Choice and Prime 3-4 1135-1410 lb. 68.00-69.10; Choice 2-4 1075-1375 lb. 65.00-68.00; high Good and low Choice 2-3 62.00-65.00; few Good 58.00-62.00; Good and Choice 1175-1450 lb. Holsteins 54.00-57.10; Standard 1-2 50.00-52.50.

SLAUGHTER HEIFERS: Few Good and Choice 2-3 900-1000 lb. 55.00-57.00.

COWS: Utility and Commercial 1-3 42.75-44.50, few 45.00-46.25; Cutter 1-2 40.50-44.50; Canner and low Cutter 37.00-40.50.

BULLS: Yield grade 1 1400-1850 lb. 50.75-53.00, couple 53.60-54.10, three head 2035-2470 lb. 48.85-50.00; yield grade 2 1000-1450 lb. 46.75-50.50.

VEAL CALVES: Insufficient volume for a market test; few 80-110 lb. high Good and low Choice 50.00-60.00.

SHEEP: No market test.

New Holland Livestock

Thursday, July 29
Report supplied by USDA

CATTLE: 1710 Compared to last Thursday slaughter steers .50-1.00 lower, after few early sales .50 higher; slaughter heifers not fully tested; cows firm to 1.00 higher, instances 2.00 higher; bulls weak to 1.00 lower, instances 2.00 lower on yield grade 1. Supply included 74 percent slaughter steers, 16 percent cows, 6 percent bulls, 2 percent slaughter heifers with the balance feeders.

SLAUGHTER STEERS: High Choice and Prime 3-4 1160-1450 lbs. 67.35-70.00, around 50 head 70.00-71.50; Choice 2-4 1050-1350 lbs. 63.00-67.50, few mainly early 67.50-68.75; Choice 2-3 975-1050 lbs. 61.00-64.00; high Good and low Choice 2-3 1000-1325 lbs. 60.00-64.00; Good 2-3 56.50-61.50; Good and Choice 1200-1500 lb. 53.75-57.00, one lot 1065 lb. 58.25; Standard 1-2 49.00-53.00.

SLAUGHTER HEIFERS: Choice 2-3 925-1050 lb. 57.00-60.00, couple Prime 3 1175 lb. 63.00; Good 2-3 850-1025 lb. 54.00-57.00.

COWS: Utility and Commercial 1-3 43.25-45.50, few 45.50-46.60; Cutter 1-2 41.75-43.50, few 43.50-45.10; Canner and low Cutter 37.00-40.50, few 800-1000 lbs. 35.00-38.00.

BULLOCKS: Good 1000-1300 lb. 52.75-55.25, few Choice 55.25-61.00.

BULLS: Yield grade 1 1400-1965 lb. 51.50-54.50, few 54.50-55.85; yield grade 2 1000-1450 lb. 46.50-50.50.

VEAL CALVES: 575. Vealers uneven, few Choice and Prime firm to 5.00 higher, high Good and low Choice 160-300 lb. steady, 65-115 lb. 10.00-15.00 lower. Demand fair for calves to return to farm.

VEALERS: Few Choice and Prime 150-320 lb. 98.00-107.00, Choice 160-300 lb. 85.00-95.00; high Good and low Choice 180-340 lb. 65.00-80.00, 120-160 lb. 60.00-70.00, 80-115 lb. 44.00-52.00, few 52.00-54.00, 65-80 lb. 30.00-45.00.

RETURNED TO FARM: Bulk 95-120 lb. Holstein bulls 72.00-80.00, few 80.00-85.00, 80-90 lb. 56.00-75.00.

SHEEP: 51. Spring lambs 2.00-15.00 lower. Slaughter ewes steady to 5.00 lower.

SPRING LAMBS: Good and Choice 75-120 lb. 55.00-57.00; Good 60-90 lb. 48.00-54.00.

SLAUGHTER EWES: Utility and Good 18.00-23.0.

GOATS: 22. All goats sold by the head, mainly 17.00-22.00.

Lancaster Weekly

Fri., July 30

	Cattle	Calves
This Week	4500	172
Last Week	4313	165
Last Year	4483	159

CATTLE: Slaughter steers mostly .50-1.00 lower after sales early part of week being .50-1.00 higher; slaughter heifers steady to weak; cows generally .50-1.00 higher, extremes 2.00 higher; bullocks steady to 1.00 lower; bulls weak to 1.00 lower, instances 2.00 lower on Yield Grade 1. Supply included 67 per cent slaughter steers, 5 per cent slaughter heifers, 16 per cent cows, 7 per cent bulls with the balance feeders.

SLAUGHTER STEERS: High Choice and Prime 3-4 1160-1450 lbs. 67.50-71.50, around 50 head 71.50-73.00; Good and Choice 1-2 1050-1325 lbs. 68.75-70.50, few 70.50-72.00; Choice 2-4 1050-1350 lbs. 63.00-68.00, few 68.00-69.50; Choice 2-3 975-1050 lbs. 61.00-64.50; mixed Good and Choice 2-3 1000-1325 lbs. 60.00-65.00, Good 2-3 56.50- 62.00; one lot Choice and Prime 1350-1505 lb. holsteins 56.25-57.25; Good and Choice 1200-1500 lbs. 53.75-57.00; Standard 1-2 49.00-53.00.

SLAUGHTER HEIFERS: High Choice and Prime 3-4 1080-1180 lbs. 62.25-64.00, one lot 1214 lbs. 67.00; Choice 2-3 850-1100 lbs. 56.00-61.00, few 61.00-62.50; Good 2-3 825-1050 lbs. 49.75-56.00.

COWS: Utility and Commercial 1-3 43.25-45.50, few mainly early part of week 46.00-47.50, Commercial 3-4 42.50-44.50, Cutter 1-2 41.50-44.00, few 44.00-45.50, Canner and low Cutter 37.00-40.50, few 800-1000 lbs. 35.00-38.00.

BULLOCKS: Choice 1050-1350 lbs. 55.00-58.25, couple 59.00-61.00

(Turn to Page A15)

HAY, STRAW & CORN
— SALE —
Every Friday at 12 Noon
GREEN DRAGON MARKET & AUCTION
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1 mile North of Ephrata on N. State St.
Out of State Buyers - Cash or Certified Check Only.

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10:00 A.M. — Slaughter Bulls, Heifers, Steers, Cows
11:00 A.M. — Veal Calves, Lambs, Hogs
TUESDAY
10:00 A.M. — Slaughter Hogs
1:00 P.M. — Feeder Pigs
FRIDAY
11:00 A.M. — Stocker and Feeder Cattle
SATURDAY
9:30 A.M. - Slaughter Hogs
TUESDAY, AUGUST 3
FEEDER PIG SALE
LANCASTER STOCKYARDS, INC.
1147 Lititz Pike
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Serving The Community For 86 Years

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Sale Every Tuesday
11 A.M.
Slaughter Cattle Auction - Steers, Bulls, Heifers, Cows, Feeder Cattle.
Get calves in early. We start to grade and weight at 2:30.
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MONDAY'S AUCTION
8:00 A.M. - Fat Hogs
10:00 A.M. - Horse Sale
11:00 A.M. - Hay, Straw & Ear Corn
1:30 P.M. - Fat Steers, Bulls, Cows & Veal
WEDNESDAY'S AUCTION
12:00 Noon - Dairy Sale
1:30 P.M. - Feeder Pig Sale
THURSDAY'S AUCTION
11:00 A.M. - Beef Sale
Order of Sale, Bulls, Fat Steers, Cows, Veal
3:30 P.M. - Calf Sale
NEW HOLLAND SALES STABLES INC.
New Holland, PA
Abram W Diffenbach, Manager
Phone 717-354-4341

LEBANON VALLEY LIVESTOCK MARKET, INC.
1 mile East of Fredericksburg along Route 22
PHONE: JONESTOWN 865-2881
Sale every Tuesday at 1:30 P.M. starting with feeder cattle and pigs.
Also Hay Sale every Tuesday at 12:30.

Hog Markets

Lancaster Hogs

Monday, July 26
Report supplied by USDA

HOGS: Barrows and gilts 1.00-1.50 higher; sows weak to 1.00 lower, instances 2.00 lower.

BARROWS AND GILTS: US 1-2 210-250 lbs. 63.75-64.35; US 1 Few 210-245 lbs. 64.50-65.10; US 1-3 200-265 lbs. 62.75-63.75.

SOWS: US 1-3 350-600 lbs. 53.00-54.50, few 55.00-55.50.

Tuesday, July 27

TODAY	483
LAST TUESDAY	383
LAST YEAR	355

TREND: Compared to Monday barrows and gilts mostly steady.

BARROWS AND GILTS: US 1-2 200-250 lbs. 63.50-63.85; Few 64.00-64.10. US 1 205-245 lb. 64.50-65.25. US 1-3 200-260 63.00-63.50.

Wednesday, July 28

HOGS: Compared to Tuesday barrows and gilts 1.00-2.00 lower.

BARROWS AND GILTS: US 1-2 210-250 lb. 61.50-62.25, few 62.25-62.50; 200-210 lb. 60.25-61.25. US 1 210-250 lbs. 62.50-63.50, few 63.75-64.25. US 1-3 210-265 lbs. 61.00-61.50.

Westminster Feeder Pigs

Friday, July 23
Report supplied by auction

802 Pigs: Compared to last month, prices were generally steady and excellent quality. All pigs weighed on arrival and sold by the pound.

Grade 1&2 212 29-38 lbs. 121.00-133.00, 191 42-49 lbs. 109.00-120.00; 111 50-57 lbs. 109.00-117.00; 13 (early) 53-58 lbs. 96.00-106.00; 163 60-71 lbs. 94.00-103.00.

Grade 2 89 30-38 lbs. 110.00-122.00; 17 56 lbs. 103.00.

New Holland Feeder Pigs

Wednesday, July 28
Report supplied by USDA
Feeder Pigs

Today	593
Last Wednesday	692
Last Year	1114

TREND: Compared to last Wednesday feeder pigs 40 lb. weak to 5.00 lower, 40-75 lb. 5.00-10.00 lower. All pigs weighed on arrival and sold by the hundred weight.

US 1-2: 91 head 26-39 lbs. 126.00-143.00; 66 head 40-49 lbs. 111.00-122.00; 63 head 50-59 lbs. 103.00-121.00; 64 head 60-69 lbs. 96.00-110.00; 60 head 70-73 lbs. 91.00-100.00.

US 2-3 17 head 24 lbs. 159.00; 89 head 28-39 lbs. 124.00-138.00; 12 head 38 lbs. 112.00; 29 head 43-47 lbs. 101.00-106.00; 20 head 54 lbs. 99.00; 11 head 66 lbs. 88.00.

Vintage Hogs

Vintage Sales Stables
Wednesday, July 28
Report supplied by auction

U.S. 1 & 2 205-235 lbs. 61.00-62.75; U.S. 2 & 3 200-245 lbs. 59.00-61.00; Sows 300-500 lbs. 50.00-52.00; Boars one at 300 lbs. brought 54.00.

Saturday, July 24

U.S. 1 & 2 205-235 lbs. 63.50-64.75; U.S. 2 & 3 200-245 lbs. 61.50-62.50; Sows 300-500 lbs. 50.00-53.00; Boars 300-500 lbs. 49.00-52.00.

Lancaster Hogs

Lancaster Stockyards
Saturday, July 24
Report supplied by auction

730 head.

US #1 210-235 lbs. 64.50-66.00, few to 67.25; U.S. 1&2 210-245 lbs. 63.00-63.50; U.S. 2&3 210-255 lbs. 62.50-63.00; Lightweight 195-210 lbs. 59.00-62.00; Sows 350 lbs. and up 53.50-55.50; Boars 200-300 lbs. 50.00-53.50; 300 lbs. and up 46.50-47.75.

Lancaster Feeder Pigs

Tuesday, July 27
Report supplied by USDA

Today	987
Last Tuesday	910
Last Year	1056

TREND: Compared to last Tuesday feeder pigs steady to 5.00 lower. All pigs weighed on arrival and sold by the hundred weight.

US 1-2: 8 head 17 lbs. 146.00; 133 head 26-39 lbs. 128.00-140.00; 281 head 40-49 lbs. 128.00-136.00; 96 head 51-57 lbs. 109.00-120.00; 43 head 60-63 lbs. 107.00-108.00.

US 2: 19 head 36 lbs. 124.00; 59 head 40-49 lbs. 100.00-124.00; 8 head 56-57 lbs. 106.00.

US 2-3: 29 head 30-39 lbs. 120.00-125.00; 42 head 41-52 lbs. 100.00-116.00; 10 head 72 lbs. 75.00.

New Holland Hogs

Monday, July 26
Report supplied by USDA

Today	1060
Last Monday	1607
Last Year	1018

TREND: Barrows and gilts mostly steady with last Monday's early sales, or firm to .50 higher than last Monday's late sales.

BARROWS AND GILTS: US 1-2 205-250 lb. 63.25-63.75. US 1 210-250 lb. 64.00-64.50, few 65.00. US 1-3 210-250 lbs. 62.50-63.25. US 2-3 Couple lots 220-250 lb. 60.50-61.50.

Indianapolis Hogs

Thursday, July 29
Report supplied by USDA

BARROWS & GILTS active, steady to weak. US 1-2 220-250 lb. 61.00.

SOWS: Active, steady to firm. (8%) US 1-3 470-600 lb. 52.00-54.00.

BOARS: Under 250 lb. scarce; over 400 lb. 46.00.

Peoria Hogs

Thursday, July 29
Report supplied by USDA

Barrows & Gilts moderately active, weak to .50 lower. US 1-2 220-240 lb. Mostly 60.50-61.00, some 60.00, 70 head 61.25; US 1-3 200-250 lb. 59.50-60.50.

SOWS: .50-1.00 lower than the bulk of Wednesday's sales. (22%) US 1-3 350-500 lb. 51.50; 500-650 lbs. 53.00-53.50.

BOARS: Over 350 lbs. 46.50-46.75, few 47.00; under 350 lbs. 50.50-55.00.

St. Louis Hogs

Thursday, July 29
Report supplied by USDA

Barrows & gilts very active, weights under 260 lbs. 50 lower, weights over 260 lbs. steady. US 1-2 200-250 lbs. 61.00-61.50; US 1-3 230-250 lbs. 60.50-61.00; 250-270 lbs. 59.50-60.50; 250-270 lbs. 59.50-60.50; 270-290 lbs. 58.50-59.50.

SOWS: Uneven, weights under 500 lbs. .50-1.00 lower, over 500 lb. mostly 2.00 lower instances 2.50 lower. (about 10%). US 1-3 300-500 lbs. 51.00; Over 500 lb. 51.50-54.00.

BOARS: Over 260 lb. 47.50; under 260 lbs. 53.00.

U.S. Inspected Livestock Slaughter

Thursday, July 29
Report supplied by USDA **Estimated Daily Livestock Slaughter Under Federal Inspection**

	CATTLE	CALVES	HOGS	SHEEP
This Week	501,000	40,000	1,095,000	90,000
Last Week	500,000	39,000	1,073,000	95,000
Last Year	480,000	36,000	1,200,000	83,000

Chicago Grain Futures

	Corn	Wheat	Soybeans	Soybean Meal
Aug.			6.04	174.50
Sept.	2.46¼	3.44¼		
Oct.				175.40
Nov.			6.07¾	
Dec.	2.53½	3.67½		180.10
Jan.			6.25	
Mar.	2.69¼	3.85¾		

Trend - Corn is lower, Wheat is lower, Soybeans are lower, Soybean Meal is lower.

Market Provided by Commodity Department
Dean Witter Reynolds, Inc.

Futures Trading

(Closing Bids as of Thursday July 29)

	Chicago Cattle	Chicago Hogs	New York Maine Potatoes
Aug.	62.97	60.70	
Oct.	61.80	58.80	
Nov.			6.60
Dec.	63.22	58.57	

Trend - Cattle are lower, Hogs are higher. Potatoes are higher.

Market Provided by Commodity Department Dean Witter Reynolds, Inc.

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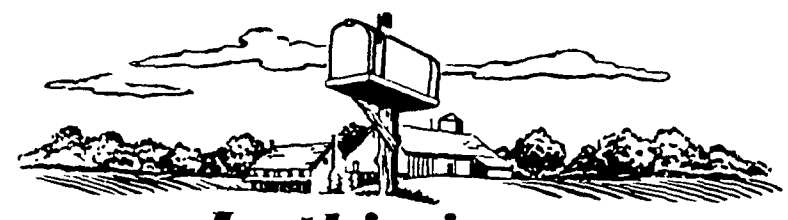

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Poultry Markets

Nest Run Eggs

Prices are from Egg Clearinghouse, Inc., (ECI) Durham, N.H. and reflect trading prices for gradable nest run eggs (GNR) on ECI, a nationwide trading center for producers, packers and marketers. GNR eggs are classified by weight in 30-dozen cases, and traded in lots of either 300 or 750 cases. Prices are FOB buyers dock, and are computed Tuesday and Thursday of each week. This week's prices for each classification were:

Classification	Net Weight Per Case	July 27 Tuesday	July 29 Thursday
Class 1 - Large	48 lbs.	46	46
Class 2 - Large	45 lbs.	44	44
Class 3 - Medium	42 lbs.	36	34
Class 4 - Small	39 lbs.	30	30
Breaking Stock	48 lbs.	40	39
Checks	48 lbs.	35½	34½

Weekly New York Egg Market

From Friday, July 23 to July 30

	Fri.	Mon.	Tues.	Wed.	Thurs.
WHITE					
Jumbo	73	73	73	73	73
Ex Large	65	66	66	66	65
Large	62	62	62	62	61
Mediums	50	49	49	49	46
Pullets	37	37	37	37	36
BROWN					
Jumbo	95	95	95	95	95
Ex Large	84	81	80	80	80
Large	79	77	77	77	77
Mediums	63	63	63	63	61
Pullets					
Peewees	Unquoted				
Off Grade					
Large	52	52	52	52	51
Checks	29	29	29	29	29

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New York Multiple Drop Broiler Report

Thursday, July 29
Report supplied by USDA

Current broiler/fryer negotiated prices for immediate delivery includes mostly multiple-drop shipments to New York City from Delmarva.

RANGE: U.S. Grade A 44-47, 905 boxes; Branded U.S. Grade A 47½-50, 9,490 boxes.

WTD. AVG.: U.S. Grade A 46.36; Branded 49.62.

Eastern Pa. & N.J. Poultry

Wednesday, July 28
Report supplied by USDA

Market Comment: Offerings ample. Operating plants fairly well booked for next 2 to 3 weeks. Canner pack movement remains slow.

Light Type Hens: prices paid at farm 3½ to 5, mostly 5. F.O.B. plant: 7-1½, mostly 7. Heavy Type Hens: TFTR.

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Heinsey's Poultry Market

Root's, East Petersburg
Tuesday, July 27
Report supplied by auction

MUSCOVY DUCKS, DRAKES: range 1.40-1.58 per lb.

MUSCOVY DUCKS, HENS: range 1.30-1.50 per lb.

PEKIN DUCKS: range .60-.76 per lb.

RED FOWL: 4-5 lbs. range .08-.16 per lb.

RED FOWL: 5-6 lbs. range .12-.28 per lb.

LEGHORN ROOSTERS: range .15-.30 per lb.

BROILER: 3-7 lbs. range .12-.26 per lb.

CROSSBRED FOWL: 5-9 lbs. range .15-.26 per lb.

CROSSBRED ROOSTERS: 4-6 lbs. range .30-.72 per lb.

CROSSBRED ROOSTERS: 7-12 lbs. range .18-.40 per lb.

GUINEA FOWL: range 1.50-1.82 per lb.

BANTY ROOSTERS: range 2.50-4.85 ea.

BANTY HENS: range .25-1.00 ea.

GEESE: 10-14 lbs. range .32-.54 per lb.

PIGEONS: range .60-.85 ea.

WHITE PIGEONS: range 1.50-2.50 ea.

RABBITS: 4-6 lbs. range .28-.52 per lb.

RABBITS: 7-10 lbs. range .12-.34 per lb.

GUINEA PIGS: range .10-.50 ea.

GOATS: 52 head, range 15.00-46.00 ea.

KID GOATS: 13.00-34.00 ea.

TOTAL AMOUNT COUPS: 746.

N. E. Weekly Shell Egg Report

Tuesday, July 27
Report supplied by USDA

Prices paid per dozen Grade "A" Brown eggs in cartons delivered to retail stores:

	Ex. Large	Large	Medium	Small
MASS.X	80-92	78-89	67-77	38-47
Mostly	84-88	81-85	70-75	40-45
N. HAMP.	75-81	73-79	62-68	33-39
Mostly	77-80	75-79	64-67	35-38
R.I.	83-84	81-82	70-71	41-42
VERMONT	82-95	80-92	69-78	–
Mostly	84-89	82-85	71-75	–
MAINE	82-83	80-81	69-70	40-41

X Includes Central and Western Sections only.

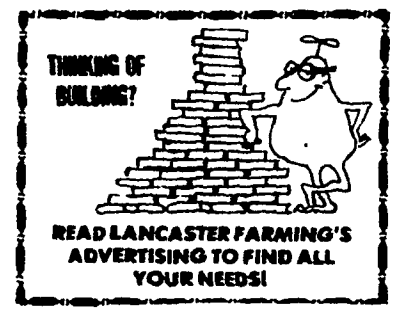
Delmarva Poultry

Thursday, July 29
Report supplied by USDA

MARKET COMMENT: Only fair to good buying interest and generally accounts for current production. Only fair movement on wings, other parts fairly well and clearing well in most quarters. Slaughter schedules fairly heavy; live supplies fully adequate and weights range from light to desirable. Untertone steady to fully steady.

Today's L.T.L. asking prices mostly unchanged on U.S. Grade A at 47-50 cents.

Estimated slaughter of broiler fryers in Delmarva (000). Estimated 7/29 1,846; Actual 7/22 1,744; Actual 7/27 1,715; Average Weights 7/27 4.10; 7/20 4.07.



Philadelphia Eggs

Thursday, July 29
Report supplied by USDA

MARKET COMMENT: Cartoned egg orders only average at best. However, most dealers note business is quiet and it is becoming hard to maintain floor stocks at satisfactory levels. Jumbos and extra large barely adequate to adequate. Large fully adequate to ample and easily available if needed. Medium ample to burdensome and difficult to clear. Undertone no more than steady.

Prices to Retailers: Sales to volume buyers, consumer grades white eggs in cartons delivered store door:

A Extra Large 60-66; A Large 59-62; A Medium 45-48.

Baltimore Eggs

Thursday, July 29
Report supplied by USDA

MARKET COMMENT: Demand remains slow but not surprising for last week of month. Supplies ample.

Cartoned Eggs: Prices to retailers, state graded (min one case sale) white.

Grade A Large	62-67.
Grade A Medium	49-55.

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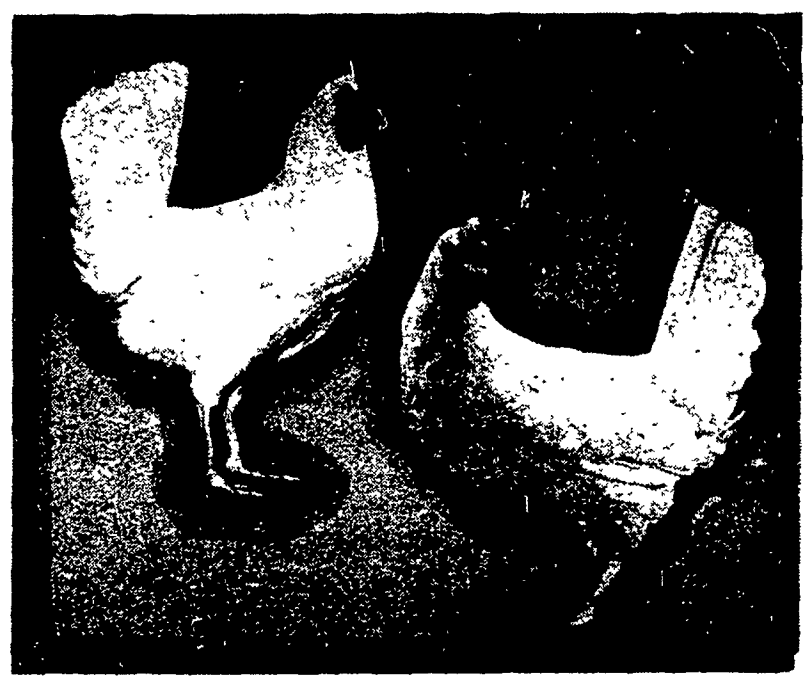

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Livestock market and auction news

Hay Markets

Leinbach's Hay
Leinbach's Farm Market
Shippensburg, Pa.
Tuesday, July 27

12 loads.

Alfalfa 80.00-115.00; Mixed 82.00-117.00; one Clover 83.00; Straw 55.00-64.00.

Kiester's Hay
Middleburg, Pa.
Tuesday, July 27

16 loads.

10 Mixed 60.00-93.00; 3 Straw 45.00; 3 Ear Corn 84.00-85.00.

New Holland Hay
New Holland Sales Stables
Monday, July 26
Report supplied by auction

117 loads.

Alfalfa good quality second cutting 128.00-151.00, medium quality first cutting 80.00-100.00; few loads Alfalfa Mixed 90.00-110.00; Clover first cutting 75.00-87.00; Timothy 68.00-101.00; Mixed choice either Alfalfa, Timothy or Clover mixed 100.00-137.00, medium mostly first cutting 75.00-90.00; Grass Hay 68.00-82.00; Straw mostly 68.00-75.00, few up to 84.00, two loads with moisture and weeds 45.00 & 56.00; Oats 2.00 & 2.50 bu.; Corn 88.00-95.00 few small loads up to 103.00.

Good's Hay
Leola, Pa.
Wednesday, July 28
Report supplied by auction

73 loads.

Mixed 70.00-100.00; Alfalfa 77.00-136.00; Straw 56.00-75.00; Corn 82.00-91.00; two Timothy 54.00 & 97.00; one Clover 102.00; Oats 1.50 bu.

Green Dragon Hay
Ephrata, Pa.
Friday, July 23
Report supplied by PDA

28 Loads hay and 18 loads straw.

Alfalfa few 89.00-110.00, few 127.00-141.00; Mixed hay 80.00-96,00, few 116.00, few down 55.00; Timothy hay, individual 66.00; Oat hay, individual 51.00; Straw 56.00-73.00; Ear Corn, 18 loads 89.00-100.00; Rye, 25 bags at 6.25 per bag.

Belleville Hay
Belleville, Pa.
Wednesday, July 21
Report supplied by PDA

13 loads hay.

Mixed hay 41.00-63.00, one load 70.

Regional Hay
Monday, July 26
Report supplied by PDA

(All hay No. 2 and better, prices paid by the dealers at the farm and per ton.)

Hay and Straw mostly steady.

Alfalfa 80.00-100.00,; Mixed hay 65.00-90.00; Timothy hay 60.00-80.00; Straw 35.00-45.00, few 60.00; Mulch 25.00-35.00.

Pa. Grain
Monday, July 26
Report supplied by PDA

Compared with last Monday's market for Southeastern, Central and South Central Pa.: Corn uneven, mostly steady, spots 3 cents higher to 2 cents lower. Wheat & Barley unevenly steady. Oats steady to ten cents lower. Ear Corn mostly steady.

Prices paid delivered to dealers dock - (All prices per bushel, except Ear Corn per ton.)

Southeastern Pa.

Corn No. 2-y range 2.70-3.10, average 2.89; Wheat No. 2 range 3.15-3.38, down to 2.90, average 3.20; Barley No. 3 range 1.75-2.00, average 1.89; Oats No. 2 range 1.70-2.10, down to 1.50, average 1.85; Soybeans No. 1 5.73-6.10, average 5.89; Ear Corn range 75.00-85.00, average 80.86.

Central Pa.

Corn No. 2-y range 2.70-2.90, average 2.81; Wheat No. 2 range 2.90-3.20, average 3.06; Barley No. 3 range 1.75-1.90, average 1.86; Oats No. 2 range 1.50-1.85, average 1.72; Ear Corn range 70.00-78.00, average 74.18.

South Central Pa.

Corn No. 2-y range 2.60-2.80, average 2.69; Wheat No. 2 range 2.90-3.10, average 2.99; Barley No. 3 range 1.80-1.90, average 1.88; Oats No. 2 range 1.80-1.95, average 1.83; Ear Corn range 70.00-75.00, average 72.88.

Southeastern Central & South Central Summary

Corn No. 2-y range 2.65-3.10, average 2.83; Wheat No. 2 range mostly 2.90-3.38, average 3.11; Barley No. 3 range 1.75-2.00, average 1.88; Oats No. 2 range 1.70-2.10, down to 1.50, average 1.79; Ear Corn 70.00-85.00, average 76.70.

Corn No. 2-y range 2.55-2.80, few reported 2.90, average 2.67; Wheat No. 2 range 2.85-2.95, down to 2.65, average 2.86; Barley No. 3 range 1.90-2.00, average 1.95; Oats No. 2 range 1.80-2.00, down to 1.55, average 1.90; Ear Corn range 70.00-74.00, average 72.00.

Keisters Livestock
Middleburg, PA
Tuesday, July 27
Reports supplied by auction

CATTLE 404: High Choice & Prime slaughter steers 68.00-69.35, Choice 63.00-68.10, Good 58.00-63.00, Standard 52.00-58.00, Utility 45.00-52.00. Choice slaughter heifers 60.00-62.35, Good 55.00-60.00, Standard 48.00-55.00, Utility 40.00-48.00. Utility & Commercial slaughter cows 42.00-46.75, few to 48.75, cutters 40.00-45.75, Canner & Low Cutter 32.00-40.00, Shells down to 25.00. Choice slaughter bullocks 56.00-58.75, Good 50.00-56.00. Yield Grade #1 1200-1800 lbs. slaughter bulls 52.00-58.50; yield grade #1 800-1200 lbs. 42.00-52.00. Medium Frame #1 350-750 lbs. feeder steers 42.00-60.00.

CALVES 223: Prime vealers 82.00-90.00. Choice 70.00-82.00, Good 60.00-70.00, Standard & Good 90-110 lbs. 45.00-60.00, 70-90 lbs. 35.00-45.00. Farm calves, holstein bulls 85-120 lbs. 60.00-87.50; holstein heifers 80-140 lbs. 50.00-92.50.

HOGS 595: (Monday, July 26, 1982). US No. 1-2 210-235 lbs. barrows & gilts 63.50-64.35, No. 1-3 190-250 lbs. 63.00-63.50, No. 2-3 190-270 lbs. 60.00-63.00. US No. 1-3 240-650 lbs. sows 53.25-59.25, No. 2-3 300-600 lbs. 48.00-53.25. Boars 300-700 lbs. 45.25-48.50.

FEEDER PIGS 244: US No. 1-3 10-20 lbs. feeder pigs 20.00-35.00 per head, No. 1-3 20-40 lbs. 35.00-55.00, No. 1-3 40-60 lbs. 55.00-60.00 per head.

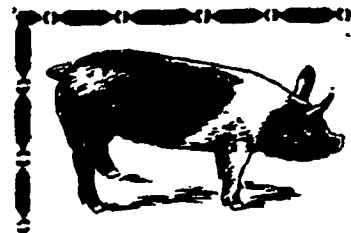
SHEEP 13: Few Good spring slaughter lambs 45.00-55.00. Slaughter ewes 20.00-30.00.

Valley Livestock
Valley Stockyards
Athens, Pa.
Monday, July 26
Report supplied by auction

Total No. of Head 510. Hay 35.00-52.00.

Holstein Hfr. Calves to 100.00; Veal Calves 55.00-82.00; Vealer Bull Calves to 87.50; Slaughter Calves 42.00-61.00; Grasses & Feeders 33.50-55.00; Lambs to 55.00; Sheep 19.00-32.00; Hogs, 200-250 lbs. 58.00-62.50; Sows 47.00-56.00; Boars 43.00-45.00; Pigs each 17.00-43.00; Heifers 41.00-48.50; Bulls 38.50-49.75; Cows, utility 41.50-46.50; Cows, fat 41.00-44.50; Cows, medium 36.25-41.00; Cows, poor or small 32.50-38.75; Goats 10.00-56.00.

Remarks: very good market for time of year & weather.



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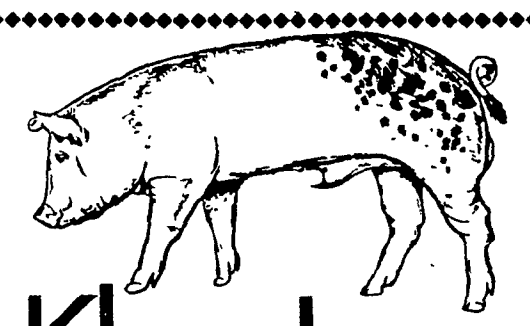

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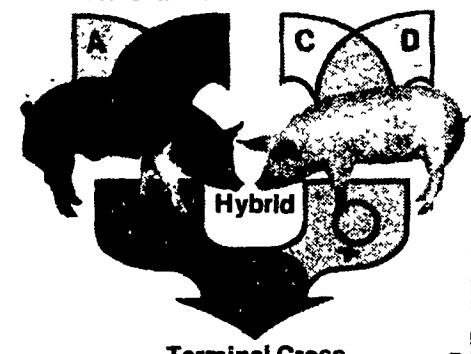

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For Maximum Hybrid Vigor

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your authorized dealer for DEKALB hybrid swine.

Let DEKALB hybrid boars and hybrid gilts improve your pigs weaned, growth rate, feed efficiency and carcass quality.

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As a condition of sale, please note statement of limited warranty and remedy on DEKALB invoices and contracts.

Livestock market and auction news

Central U.S. Carlot

Wednesday, July 28
Report supplied by USDA

Compared to Tuesday's 4:00 p.m. report: Trade very uneven on Choice 3 Steer and Heifer beef,mostly 1.00 lower late after some early sales as much as 2.00-2.50 lower. Choice 4 steer and heifer steady to 1.00 lower. Good and Steer and Heifer not established. Demand and trading light to moderate, supplies more than ample for demand. The boxed beef carcass cutout value declined .44 to an estimated 105.90 per cwt.

Sales reported on 82 loads of steer and heifer beef.

STEER BEEF
41 Loads
FOB Omaha Basis

Choice 3: 600-700 lbs. 97.50-99.00, Late 99.00, 1.00 lower Choice 3 700-900 lbs. 99.50-101.00, late 101.00, 1.00 lower. Choice 4 600-900 lbs. 92.00-93.00, steady 1.00 lower. Good 2-3 600-900 lbs. 94.00-95.00; Good 2-3 600-700 lbs. 96.50-97.50; Choice 2-3 600-900 lbs. 95.00 hols. type.

FOB Amarillo Basis

Choice 4 600-900 lbs. 90.50-91.50; Good 2-3 600-900 lbs. 95.00. Good 2-3 600-700 lbs. 97.00.

HEIFER BEEF
41 Loads
FOB Omaha Basis

Choice 3: 550-700 lbs. 97.00-99.00, late 98.00, mostly 1.00 lower.

Choice 3: 500-550 lbs. 93.00-94.00, late 94.00, 1.00 lower.

Choice 3: 400-500 lbs. 91.00-92.00, late 92.00, 1.00 lower.

Choice 4: 500-700 lbs. 90.00-91.00 steady to 1.00 lower.

Good 2-3: 550-700 lbs. 93.00.

Good 2-3 600-700 lbs. 94.00.

Choice 4 500-700 lbs. 90.00-90.50.

Includes moderate to high percentage of yield grade 2's.

COW BEEF
8 Loads
FOB Omaha Basis

Bng. utility 2-3 400/up lbs. 79.00 midwest; Cnt & Cutter 1-2 350/up lbs. 81.00-83.00 midwest. FOB Amarilla Basis Bkrg. utility 3-4 450/up lbs. 74.50 west.

BULL BEEF
2 Loads
FOB Omaha Basis

Bull 1-2 500/up lbs. 90.00.

PRIMAL BEEF CUTS
2 Loads
FOB Omaha Basis

Hinds 120-170 lbs. 113.60. Short Plates 69.00.

BONELESS PROCESSING/ BEEF TRIMMINGS
90 Loads
FOB Omaha Basis

90% Chem. Lean Fresh 112.00-113.00.

90% Chem. Lean Frozen 113.00.

85% Chem. Lean Fresh 108.00.

85% Chem. Lean Frozen 107.50.

65% Chem Lean Fresh 82.50.

50% Chem Lean Fresh 64.00-66.00.

50% Chem Lean Fresh 67.00 boxed.

FOB AMARILLO BASIS

90% Chem Lean Fresh 112.00.

90% Chem Lean Frozen 113.00.

85% Chem Lean Fresh 105.50.

50% Chem Lean Fresh 65.50.

50% Chem Lean Fresh 66.00 boxed.

Compared to Tuesday's 4:00 report: Fresh loins steady to 1.25 lower. Boston butts steady to 1.25 lower. Fresh hams steady to 1.00 higher. Sdls bellies 4.00-6.00 lower than early Tuesday sales. Trading active. Demand good at steady to lower price levels. Packers indicate current inventories of most items late today. Sale reported on 37½ loads and 4 loads of trimmings.

FRESH PORK CUTS

LOINS: 14-17 lbs. 113.75-115.00; mostly steady; load late 117.00 1.25 lower; 14-17 lbs. 115.50 frozen; 17-22 lbs. 111.00 steady.

BOSTON BUTTS: 4-8 lbs. 104.00, frozen; 4-8 lbs. 103.00, steady to weak; 8/up lbs. 98.75 1.25 lower.

SKINNED HAMS: 17-20 lbs. 84.50-85.00 frozen; 14-17 lbs. 87.50-88.50, late 88.50, 1.00 higher; 17-20 lbs. 89.50 steady; 20-26 lbs. 89.00 steady.

BELLIES, SDLS: 12-14 lbs. 87.00-89.00 5.00-6.00 lower than early Tues. 14-16 lbs. 87.00-89.00, 4.00-6.00 lower than early Tues. 18-20 lbs. 80.00.

BONELESS PORK TRIMMINGS (Chemical Lean)

72% Lean trimmings fresh 92.00.

72% Trimmings fresh 92.50.

Skinned jowls frozen 53.25.

Eighty-Four Livestock

Eighty-Four, Pa.
Monday, July 26
Report supplied by PDA

CATTLE 316: Compared with last Monday's market, slaughter cows steady to weak. Few Choice slaughter steers 62.00-64.00, Good 47.00-62.00, Standard 49.50-55.00, Utility 45.00-50.00. Individual Choice slaughter heifer at 61.75, Good 54.00-57.00, Standard 50.00-55.00, Utility 42.00-50.50. Utility & Commercial slaughter cows 42.00-45.00, few 47.00, Cutters 38.50-42.50, Canner & Low Cutters 30.00-39.00, Shells down to 24.00. Yield Grade #1, 1000-1800 lbs. slaughter bulls 50.00-55.25, #2, 950-1400 lbs. 46.50-50.50. Medium Frame #1, 350-650 lbs. feeder steers 50.00-61.00. Medium Frame #1, 300-600 lbs. feeder heifers 45.00-51.00.

CALVES 319: Few Choice vealers 78.00-84.00, Good 69.00-80.00, Standard & Good 90-120 lbs. 50.00-65.00, 60-85 lbs. 40.00-53.00, few Utility 85-130 lbs. 20.00-35.00. Farm Calves: Hol. Bulls 90-120 lbs. 65.00-100.00; Hol. Heifers 70-120 lbs. 57.00-75.00. Good & Choice 250-330 lbs. slaughter calves 56.00-66.00.

HOGS 98: Barrows and Gilts .75-1.00 higher. US No. 1-2 200-250 lbs. barrows and gilts 62.75-64.00, No. 1-3 195-260 lbs. 59.00-61.00. US No. 1-3 350-550 lbs. sows 50.00-56.00, No. 2-3 400-500 lbs. 43.00-48.00. Couple Boars 37.00 & 44.75.

FEEDER PIGS 19: Few US No. 1-3 30-40 lbs. feeder pigs 26.00-34.00 per head, No. 1-3 few 50-60 lbs. 35.00-40.00 per head.

SHEEP 147: Spring slaughter lambs .50 to mostly 1.00 higher. Choice 72-98 lbs. spring slaughter lambs 57.50-62.50, Good 70-80 lbs. 49.00-53.00, Utility 55-75 lbs. 43.00-50.00. Slaughter sheep 10.00-17.25. Goats 3: 30.00-57.50 per head.

East Coast Carlot

Wednesday, July 28
Report supplied by USDA

Compared to Tuesday's close: Prime special fed veal steady to 5.00 higher. Good and Choice boning veal 1.00-3.00 lower, instances 7.00-9.00 lower for inshipped, in limited test and comparison with Monday. Compared to last week; spring lamb steady. Limited sales on boneless beef 2.50-5.50 higher than last week.

VEAL CARCASS
345 Head
PRIME
HIDE ON

180-240 lbs. 155.00-160.00 steady to 5.00 higher.

BONING TYPE
HIDE-ON
Good & Choice

Northeastern Suppliers: 65-75 lbs. 82.00-84.00 all 1.00 to 3.00 lower; 55-64 lbs. 80.00-82.00; 45-54 lbs. 78.00-80.00; 35-44 lbs. 76.00-78.00; 34 lbs. down 74.00-76.00.

Inshipped: 51-60 lbs. 80.00 LTD, all 7.00-9.00 lower than Monday; 41-50 lbs. 78.00 LTD; 30-40 lbs. 76.00 LTD.

SPRING LAMB CARCASS
14 Load

Compared to last week: 55 lbs. down 123.00, all mostly steady; 55-65 lbs. 123.00; 65-75 lbs. 123.00.

BONELESS BEEF
4 Loads

90% chem lean fresh 117.00, 3.00-5.00 higher.

85% chem lean fresh 110.50, 2.50-5.50 higher.

BEEF TRIMMINGS
2 Loads

50% chem. lean, frozen 72.00.

CURED AND PROCESSED MEATS
3 Loads

Boneless Hams 13-17 lbs. 145.00.

No. 1 sliced bacon, vac pac 1 lb. pkg. 149.00 weak.

Franks, 70 Beef, 30 Pork, 1 lb. pack, 89.00 steady.

Oklahoma Cattle

Thursday, July 29
Report supplied by USDA

Estimated Receipts	1,900
Same Day Last Week	1,648

Feeder Steers steady to 1.00 lower. Feeder Heifers 1.50-2.00 lower. Feeder demand moderate. Bulk supply Medium Frame 1 and Mixed 1-2 400-775 lb. Feeder Steers and 400-750 lb. Heifers; Cows and Bulls near 7 percent. Actual auction sales Wednesday 14,300 head.

FEEDER STEERS: medium few Large Frame 1 400-500 lb. 66.60-68.95, package 415 lb. 75.00; 500-600 lb. 62.60-65.70; 600-700 lb. 65.90-67.10; 700-775 lb. 64.00-66.80; lot 825 lb. 63.50. Meidum and Large Frame Mixed 1-2 400-600 lb. 62.00-65.00; 600-850 lb. Medium and Large Frame 2 400-500 lb. 57.10-62.50; 765 lb. 56.70; 985 lb. 55.10; package 835 lb. Holsteins 51.40.

FEEDER HEIFERS: Medium few Large Frame 1 385 lb. package 60.50; 400-500 lb. 54.80-57.10; 500-600 lb. 55.10-58.00; 650-755 lb. lots 57.70-59.60. Medium and Large frame Mixed 1-2 450-550 lb. 53.50-55.50; 550-775 lb. 55.00-57.50, lot 625 lb. 58.70. Medium Frame 2 450-550 lb. 50.10-52.75.

FOR THE WEEK: Feeder Steers steady to 1.00 lower, mostly steady. Feeder Heifers 1.00 lower. Comparisons are with last Thursday. Slaughter cows firm to 50 cents higher. Late sales Utility and Commercial 2-3 Cows 39.00-42.00. Cutter 1-2 38.00-40.00, instances 40.00-41.60. Canner and Low Cutter 34.75-38.00. Buls 1.00-2.00 lower; YG 1 few 2 1250-1850 lb. 48.50-51.00; 950-1250 lb. 45.00-49.60. Salable receipts this week near 19,600 head compared to 16,972 head last week and 15,224 last year. Feeder Cattle and Calves made up 91 percent of this weeks run; Cows and Bulls most of the remaining 9 percent.

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The Fresher Refresher

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After 2:00 P.M. Wednesday

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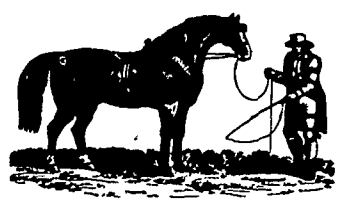
Livestock market and auction news

THE OLD FARMER'S ALMANAC

AUG. 2-8, 1982

Dress like a scarecrow; listen to the corn grow.

Kill brush by cutting now . . . This week in 1790 first U.S. Census reported a population of 3,929,214 . . . Full moon Aug. 4 (Wed.) . . . Average length of days for the week, 14 hours, 19 minutes . . . Atomic bomb dropped on Hiroshima, Japan Aug 6, 1945 . . Christopher Columbus sailed from Spain Aug. 3, 1492 *It is a mighty good horse that never stumbles.*



Ask the Old Farmer: Why are "saltbox" houses called that? P.K., Cranston, R.I.

Because they greatly resemble one. The real saltbox, used for keeping salt, was a box with a sloping cover and high back, which was hung inside on the side of the chimney. The sloping cover was to prevent water from getting into the salt. The term was invented by real estate operators.

Home Hints: Half-and-half turpentine and linseed oil will remove cloudy film on furniture

OLD FARMER'S WEATHER FORECAST

New England: Cloudy and mild, with thundershowers, to start; midweek is sunny and hot; end of week brings showers.

Greater New York-New Jersey: Week's beginning is cool, rainy; warm and sunny, humid, midweek; for weekend, warm, with thundershowers.

Middle Atlantic Coastal: Week begins with rain and warm temperatures; last part of week is sunny and hot, then rainy.

Piedmont & Southeast Coastal: Showers and hot temperatures through midweek; week's end is sunny and hot, then rainy.

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Omaha Cattle

Thursday, July 29
Report supplied by USDA

Weekly 51 - Cattle: Through midweek Slaughter Steers and Heifers fully .50 lower, some .75-1.00 down. Cows .50-1.50 higher, most advance on Utility and commercial. Bulls steady.

Day-to-day prices trended unevenly through the week, as buyers sought to keep pace with an erratic beef trade. The market ended the session however on a sour note Wednesday, when carcass prices declined broadly, forcing buyers to reduce bids and operate very cautiously. Best interest again focused on heavier weight choice offerings; consequently Steers under 1100 lbs. and Heifers 925 lbs. and down experienced discounts and a narrowed demand.

Steers made up 46 pct of the week's receipts; Heifers 41 pct., Cows 8 pct. and Feeders 3 pct. Four day receipts 7,979, last week 7,841; year ago 8,571.

STEERS: At the close load Choice and Prime 2-4 1285 lbs. 67.40. Choice 2-4 1025-1200 lbs. 64.75-66.50. Mixed Good and Choice 2-3 1000-1150 lbs. 63.00-64.50. Few Good 62.00-63.00. Few lots Good and Mixed Good and Choice 2-3 1175-1400 lb. Hoslteins 56.00-59.00.

HEIFERS: Choice 2-4 925-1025 lbs. 62.00-63.00, several loads 62.25-63.50. Mixed Good and Choice 2-3 900-1025 lbs. 61.00-62.00. Good 59.00-61.00.

Average of LS 214 detailed quotations for Choice 900-1100 lb. Steers 64.80, 1100-1300 lbs. 66.05. Average cost Steers 64.56, average weight 1114 lbs; as compared 65.73 and 1108 lbs. a week ago. Average cost Heifers 61.91, average weight 982 lbs. as compared 63.13 and 986 lbs. a week ago.

COWS: High-Cutter, Utility and Commercial 1-3 41.50-44.00. Cutter 39.00-41.00. Canner and Low Cutter 38.00-39.50.

BULLS: 1-2 1100-1700 lbs. 48.00-51.50.

Penns Valley Livestock

Centre Hall, Pa.
Tuesday, July 27
Report supplied by auction

Beef Cows: Utility and Commercial 40.25-44.35; Cutters 36.50-40.00; Canners 31.25-35.95.

Heifers: Standard 39.00-42.50; Commercial 35.10-38.20.

Steers: Good 51.50-54.50; Standard 39.50-48.95.

Bulls: Standard 39.10-42.25.

Feeder Cattle: 300-500 lbs. large frame 46.50-50.50; 300-500 lbs. small frame 33.50-40.50; 500-700 lbs. large frame 44.50-48.50; 500-700 lbs. small frame 36.50-42.65.

Veal Calves: Choice 65.10-75.25; Good 58.95-63.10; Standard 50.25-55.95; Utility 40.95-50.65.

Farm Calves: Heifers 75.10-1.00.

Hogs: 60.75-75.00.

Sows: 59.50-60.60.

Boars: 44.25-49.10.

Shoats: 25-30 lbs. per head 17.00-35.00; 30-35 lbs. per head 42.00-49.00; 35-50 lbs. per head 53.50.

New Wilmington Livestock

New Wilmington, Pa.
Monday, July 26
Report supplied by PDA

CATTLE 262: Compared with last Monday's market, slaughter cows weak to .50 lower. Few Choice slaughter steers 60.00-65.00, Good 53.00-60.00, Standard 48.00-53.00, Utility 44.00-48.00. Few Good slaughter heifers 52.00-54.75, Standard 46.50-51.00. Utility & Commercial slaughter cows 42.00-46.25. Commercial No. 4-5 37.00-41.75, Cutters 39.50-42.75, Canner & Low Cutter 30.00, 39.50. Few Good & Choice slaughter bullocks 52.00-56.25, few Standard 48.25-51.25. Yield Grade #1 1225-1920 lbs. slaughter bulls 49.50-55.25, one at 61.00; yield grade #2 900-1235 lbs. 44.50-49.00. Few Medium & Large Frame #1 310-480 lbs. feeder steers 47.50-58.00, few 68.00 - 825 lbs. 45.75-51.25; Medium & Large Frame #1 360-710 lbs. feeder heifers 37.50-45.00, Medium & Large Frame #2 305-460 lbs. 32.00-38.00.

CALVES 291: Vealers grading Good & Choice weak to 5.00 lower, Standard 10.00 lower. Few Choice vealers 75.00-88.00, Good 60.00-72.50, Standard 48.00-60.00, Standard & Good 90-120 lbs. 40.00-57.00, 65-85 lbs. 30.00-40.00, Utility 50-80 lbs. 20.00-30.00. Farm calves, holstein bulls 95-135 lbs. 55.00-70.00; holstein heifers 70-125 lbs. 53.00-75.00, couple to 97.50; Slaughter calves, grading Good & Choice 180-300 lbs. 47.00-60.00.

HOGS 436: Barrows & gilts weak to .25 lower. US No. 1-2 210-245 lbs. barrows & gilts 62.00-62.85, No. 1-3 200-255 lbs. 60.85-62.00, No. 2-3 200-275 lbs. 57.00-60.00, one lot No. 1-3 190 lbs. 59.00. Sows 2.00-3.00 lower. US No. 1-3 280-580 lbs. sows 48.00-53.50. Boars 45.00-49.50.

FEEDER PIGS 68: US No. 1-3 15-30 lbs. feeder pigs 24.00-33.00 per head, No. 1-3 30-45 lbs. 33.00-44.00, few No. 1-3 50-60 lbs. 45.00-48.00 per head.

SHEEP 171: Spring slaughter lambs 5.00-10.00 higher. Choice 60-100 lbs. spring slaughter lambs 50.00-75.00, few to 84.00, Good 55-95 lbs. 40.00-56.00, Utility 45-60 lbs. 30.00. Slaughter ewes 2.00-15.00.

New Holland Horse

New Holland, Pa.
Monday, July 26
Report supplied by auction

Reported receipts of 236 head of horses, mules, and ponies. Market: stronger.

Local better horses 550.00-920.00; Driving horses 375.00-1000.00; Riding horses 350.00-500.00; Lightweight killers 325.00-450.00; Heavyweight killers 475.00-750.00; Mare Ponies 65.00-125.00; Pony Colts 15.00-45.00; Geldings 65.00-125.00; Larger ponies 150.00-295.00.

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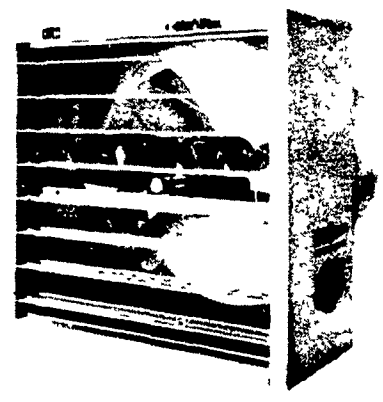

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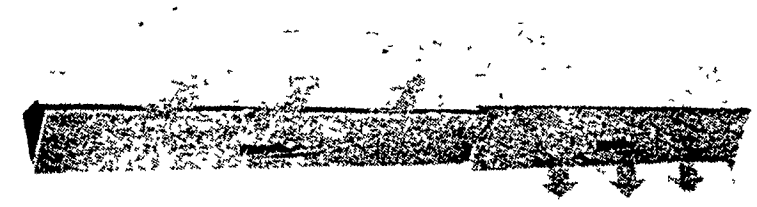

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Va. market summary & sale reports

Direct market reports provided by Va. Dept. of Agriculture in cooperation with USDA

Virginia Auction Summary

July 22-28
Report supplied by VDA

Total of Va. Weekly Feeder cattle Auction Receipts: 4,158.

TREND: Mostly steady to 3.00 lower.

Northern, Va.
Auction Summary
July 22-28

Auctions included: Fredericksburg, Front Royal, Rockingham, Madison, Charlottesville, Shenandoah, Winchester, Marshall, Staunton, Orange.

STEERS: 300-500 lbs. Medium 1 58.00-70.00; Large 1 58.50-62.50; Small 1 50.00-59.50; 500-700 lbs. Medium 1 54.00-64.00; Large 1 59.00-66.00; Small 1 42.00-46.00; 700-1000 lbs. Medium 1 54.00-62.40; Large 1 57.50-59.50.

HEIFERS: 300-500 lbs. Medium 1 43.50-53.75; Large 1 46.00-56.00; Small 1 40.00-50.00; 500-700 lbs. Medium 1 46.00-56.75; Large 1 49.50-54.50; Small 1 44.00-50.00. 700-900 lbs. Medium 1 47.50-55.75; Large 1 50.00-53.50.

Southwest Va.
Auction Summary
July 22-28

Auctions included: Tristate, Galax, Lynchburg, Hollins and Wytheville.

STEERS: 300-500 lbs. Medium 1 55.50-65.50; Large 1 56.00-63.50; Small 1 52.00-61.00. 500-700 lbs. Medium 1 55.00-64.00; Large 1 57.75-65.00; Small 1 51.00-60.00. 700-1000 lbs. 52.00-62.00; Large 1 53.00-61.00; Small 1 52.00-54.00..

HEIFERS: 300-500 lbs. Medium 1 44.00-54.50; Large 1 45.00-55.00; Small 1 41.50-50.00. 500-700 lbs. Medium 1 45.00-56.50; Large 1 47.00-59.00; Small 1 44.00-50.00. 700-900 lbs. Medium 1 43.00-53.00; Large 1 45.00-56.00.

Southeast Va.
Auction Summary
July 22-28

Auctions included: Richmond, Southampton, Smithfield, and Blackstone.

STEERS: 300-500 lbs. Medium 1 56.00-59.75. 500-700 lbs. Medium 1 58.00-64.50; Large 1 59.00-59.50.

HEIFERS: 300-500 lbs. Medium 1 45.50-52.50. 500-700 lbs. Medium 1 50.00-59.00.

Feeder Pigs

Madison Mills, Va.
Tuesday, July 27

FEEDER PIGS: Receipts 1,001.

US 1 & 2: 30-39 lbs. 144.00; 40-49 lbs. 125.00-130.00; 50-59 lbs. 117.00-120.00; 60-69 lbs. 113.00; 70-84 lbs. 107.00; 85-99 lbs. 95.00.

US 3: 30-39 lbs. 135.00; 40-49 lbs. 121.00; 50-59 lbs. 117.00; 60-69 lbs. 107.00; 70-84 lbs. 103.00.

UTILITY & 4: 30-39 lbs. 122.00; 60-69 lbs. 81.00.

Feeder Pigs

Cortland, Va.
Thursday, July 22

FEEDER PIGS: Receipts 491.

US 1 & 2: 30-39 lbs. 125.00; 40-49 lbs. 122.00; 50-59 lbs. 121.00; 60-69 lbs. 105.00; 70-84 lbs. 92.00.

US 3: 30-39 lbs. 123.00; 40-49 lbs. 122.00; 50-59 lbs. 122.00; 60-69 lbs. 98.00; 85-99 lbs. 84.00.

Utility & 4: 30-39 lbs. 91.00; 40-49 lbs. 74.00.

Feeder Pigs

Blackstone, Va.
Monday, July 26

FEEDER PIGS: Receipts 199.

US 1&2: 30-39 lbs. 125.00; 40-49 lbs. 122.00; 50-59 lbs. 120.00; 60-69 lbs. 109.00; 70-84 lbs. 94.00; 85-99 lbs. 80.00.

US 3: 30-39 lbs. 121.00; 40-49 lbs. 115.00; 50-59 lbs. 113.00; 60-69 lbs. 100.00.

UTILITY & 4: 30-39 lbs. 90.00; 40-49 lbs. 80.00; 60-69 lbs. 74.00.

Slaughter Cattle

Tele-Auction
Lynchburg, Va.
Tuesday, July 27

Sold F.O.B. feedlot and on-carcass basis.

Receipts: 154.

Steers: Choice U.S. 2-3 to make 700-900 lbs. carcass weight, 107.00-107.10; Choice U.S. 2-3, to make 600-700 carcass weight, 104.50.

Heifers: Choice 1-3 550-650 lbs. 102.50.

Slaughter Lambs

Dublin, Va.
Friday, July 23

Receipts: 1,705 head.

High Choice & Prime 95-125 lbs. 52.00-55.00; Choice 85-125 lbs. 49.00-52.00.

GOOD GRAIN STORAGE —
a matter of getting the most for your money

Before you put down any hard-earned money for any grain bin, why not be sure you're getting the best storage available for your valuable grain? With BROCK you are.

BROCK bin quality and convenience features can mean more money in your pocket when you invest in a BROCK.

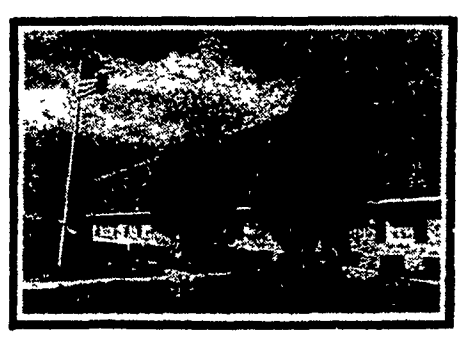
QUALITY with durable galvanized-steel construction; all parts punched and formed with precision for perfect weatherproof fit; 35° pitch roof, and high-rise ribs for maximum strength.

SAFETY with a sturdy, tubular handrail and roof ladder; walk ring around fill hole; strong, wide, comfortable ladders; and unique roof stiffener ring that gives added protection and strength.

CONVENIENCE including BROCK's exclusive "no-tools-needed" Cam-Lock Door; large fill hole, "spun" fill hole lid, and collar seal that effectively shuts out all rain and snow.

ACCESSORIES like the revolutionary WELL-GARD™ Discharge Guard; specially-designed ladder and safety cage; and BROCK's SHUR-STEP™ Bin Stairs.

BROCK - FIRST
...in the features that mean the most for your money



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12 Miles East of Lancaster
on Route 23, New Holland, Penna.

WEEKLY FEEDER PIG SALE EVERY WEDNESDAY

Sale to Start at 1:30 P.M.

We Will Receive Your Pigs Anytime From 7 A.M. Wed. Morning
State Graded Until 12 Noon.
All pigs inspected by State Approved Veterinarian.
State tags available at our office for you to tag pigs at home to save 25 cents tagging charge.
Tags delivered if you call 717-354-4341 our office in advance.
Calf Sale To Be Held Every Thursday At 3:30 P.M.

NORMAN KOLB 717-397-5538
ABE DIFFENBACH 717-393-4464

Off the Sounding Board

By Sheila Miller, Editor

Which referendum next?

There's a word that has become commonplace in agricultural circles in the past several years. It's a word that lends itself well to popular revision to suit each commodity adjective that is attached. The word, as many of you might guess, is r-e-f-e-r-e-n-d-u-m.

Farmers have been watching the rise and fall of several of these bureaucratic polls recently. In 1980 there was the "beeferendum" in which cattle producers across the nation voted "no" to a promotion checkoff program aimed at increasing beef sales. Fresher still in our memories is the Pennsylvania "milkerendum" which was rejected by the state's dairy producers.

Now we have the "sheeperendum" which will be coming up for a national vote Aug. 16-27 and the "eggerendum" which will be voted on this fall.

Sheep producers across the U.S. who have witnessed a constant decline in their product's consumption will have their turn to signal a thumbs-up or thumbs-down decision on another promotion plan. A "yes" vote would provide the necessary affirmation for the American Sheep Producers Council, located in Denver, to continue their efforts in getting lamb back on the American menu.

Don Meike, a Wyoming rancher who serves as chairman of the board of directors for the National Wool Growers Association, stresses "promotion is a key element in the total mix of business factors which add up to progress for the sheep industry." He notes "sheep producers need responsible leadership, research, new product development, and an effective promotion program."

To vote in this election, anyone who has owned sheep six months of age or older for 30 days during 1981 can "register" at the local Agricultural Stabilization and Conservation Service office. What sheep producers will be deciding is whether to contribute financially to their own survival program and put their marketing future in the hands of USDA and the ASPC.

Whether the sheeperendum will follow in the footsteps of beef and milk is up to the producers. If they're worried about getting fleeced by another sales promotion scam, all they have to do is review the proven track record of the ASPC, a council that has already untangled much misinformation about wool and lamb by educating consumers on the proper way to cook the delicacy dish and store woolen clothing.

But, will that be enough to offset the growing problem of more sheep and lambs, and fewer markets for wool and mutton? Recent USDA statistics show lamb and mutton production up 9 percent from a year ago. And, like many other agricultural commodities, the sheep industry is not immune to the negative impacts of foreign imports.

Poultrymen, too, will have a chance to vote on an increased check-off program this fall. Although a year ago, this proposal to increase the promotion pot wouldn't have stood much chance of passing, the break in the downward slide of sales has given this year's egg referendum a greater than 50 percent chance.

The American Egg Board, like the farmers it serves, is learning the cold, hard facts about the inflationary freeze on programs. What was spent on bringing the incredible, edible egg's benefits to the consumer's attention when the promotion program started four years ago now only buys half the media time and space.

Although most poultrymen hate to part with any of their egg money, they have learned during the past 30 years that without promotion they're in real financial trouble, something a few of the other farm commodities have refused to recognize.

As Walt Buescher, a Sperry New Holland marketing specialist, points out, "Farmers can never produce too much — they sell too little. Somewhere along the line farmers got the idea they were somehow exempt from the responsibility of having to sell their goods. If they're going to produce it, they're going to have to sell it, too."

And, as Buescher notes, the way to sell more farm produce is not by dishing out nutrition sermons at supermarket checkout counters. We, also, don't need anymore free recipe books sitting on shelves and collecting dust.

Today's checkoff dollars and cents must be channeled to areas where they'll stand the best chance for increasing agricultural sales — in developing export markets, in improving production efficiency through research, and in finding out what consumers require and then changing to meet those needs.

Of course, there's no overnight answer to agriculture's marketing problems. Like the egg industry, it's taken years to develop and it sometimes takes years to recognize the fact that something has to be done.

Like the automobile industry's Chrysler Corporation when faced with sagging car sales, and lots filled with oversized gas guzzlers, farmers must also change the "models" of livestock and other produce to attract buyers. And once we make the change, we have to sell it to the public. Otherwise, the "Toyotas" of the food industry will be more than willing to step in.

Farm Calendar

Saturday, July 31

Schuylkill County 4-H Dairy Roundup.

Pa. Cattlemen Summer Field Day, Devereux-Soleil Farms, Downingtown, 9:30 a.m.

York County Beekeepers Association corn roast, 5 p.m., Erwin Miller home, New Freedom.

Sunday, Aug. 1

Heart of Penn Goat Club, 2 p.m., wine & cheese party.

Union County West End Fair, Laureltown, continues through Saturday.

Harford County 4-H Fair, Rocks State Park, Jarrettsville, Md., continues through Thursday.

(Turn to Page A12)

OTIS

GOOD NEWS OTIS, ALL THE MARKETS ARE UP
MARKETS
THAT'S GOOD NEWS AND IT'S BAD NEWS
WHAT COULD BE BAD ABOUT THAT?
IT'S USUALLY FOLLOWED BY A TITHE AND OFFERING SERMON ON SUNDAY
DAVE CORRENTER

THE BIBLE SPEAKS

BY LAWRENCE W. ALTHOUSE

RIVALS AND FELLOW WORKERS

August 1, 1982

Background Scripture: Acts 18:24 through 19:7;I I Corinthians 1:10-17;3;4:6.

Devotional Reading: I Corinthians 10:6-13.

Almost seven years ago I left the pastorate of a wonderful congregation where I had been the minister thirteen years. In my last sermon to this congregation, I said:

"Let me make one thing clear: you will not honor me by allowing Calvary Church to go downhill after my departure. My greatest satisfaction will always be, not in hearing how poorly you have done when I have left, but in how you grow on from here. The vindication of my work here will be in its endurance...Paul says, 'so that in the day of Christ I may be proud that I did not run in vain or labor in vain. If Calvary does not go forward from this moment, my work will have been for nothing."

What Then Is Apollos?

Apparently, the congregation took this admonition to heart, continuing to prosper and grow under two subsequent pastors. Last week the congregation celebrated its 50th anniversary and the man who served as interim pastor after I departed sent a letter in which he spoke of his experience with this congregation:

"I was struck by...the strong lay leadership that functioned during that period...I was impressed by the sense of 'family' and rootage that I found, people who knew each other intimately, people who cared and shared. Attendance did not wane, the budget did not suffer from malnutrition, the choir sang beautifully. I was in essence privileged to see a community of believers in Christ."

You'll excuse me, I hope, if for a moment I experience some pride in reading those words. But perhaps you'll ask: "Pride? But he never mentioned your name?" Oh, but he did and in the best possible manner. He assured me that my work was not in vain.

Any of us who work in the church-lay or clergy-must bear in mind that, no matter how much recognition we get from our congregation, church school class, official board or committee, it is what we plant, water and nuture into growth that is important.

God Gives the Growth

When Paul wrote his first letter to the church at Corinth, he made reference to the factions that existed there. Some people saw themselves as "Paul's people," others "Apollos people," some "Peter's people." It is understandable that these people wished to honor those who had helped them so much. But Paul reminds them that they belong to no teacher or Apostle. They are "Christ's people," and their church is the product of the labors of many different people. "I planted, Apollos watered, but God gave the growth." Paul and Apollos both made their contribution to this church, but it was God alone who was behind whatever success they experienced.

Paul and Apollos were fruitful in their work for Christ because apparently they understood what often escapes us: "For we are fellow workers for God."

NOW IS THE TIME

By Jay Irwin

Lancaster County Agriculture Agent
Phone 717-394-6851

To Make Summer Alfalfa Seedings

Late July and early August are good times to seed alfalfa, particularly in this part of the state. When seeded during this period, the plants have time to become established before freezing weather arrives. Alfalfa is still one of our major forage crops and deserves the very best of planning and management. Band seeding is the best method to make this seeding.

Weed control is a "must" with a straight seeding without a nurse crop. Many stands are injured by poor weed control during the first year. Refer to your 1982 Agronomy Guide for assistance on weed control practices. Be aware that alfalfa should not be planted in ground that has been treated for corn weed control during the past year, especially fields sprayed with atrazine. Alfalfa is an excellent forage crop; however it does require attention and good management.

To Order Winter Grain Seed

It is not too early to be ordering your winter grain needs. The seeding of winter oats is only about six weeks away with winter barley and winter wheat close behind. Some growers may choose to use their own seeds, but this is questionable in many cases. We continue to stress that using certified seed is the best practice. It may cost a few dollars more at the beginning, but usually will result in greater yields. Homegrown grains should be cleaned, treated and tested for germination before using. By ordering now, your chances of getting the variety and quality of seed you want is much better. Don't put it off until you have to take what is available at seeding time.

To Evaluate Weed Control

By this time of year, any weed problems in your fields are fairly evident and probably beyond control. But now is a good time to develop an effective program for next year.

The easiet way to check for the effectiveness of different herbicides is to leave a small part of your field untreated. This gives you a chance to tell what weeds were controlled and what ones were missed. However, if you didn't do this, you should be able to find spots where the sprayer missed. These will usually be areas near the ends of the fields and will serve your purpose quite well.

If several types of weeds seemed to have escaped control, you should check the herbicide container label as to whether the material was designed to eliminate those weeds.

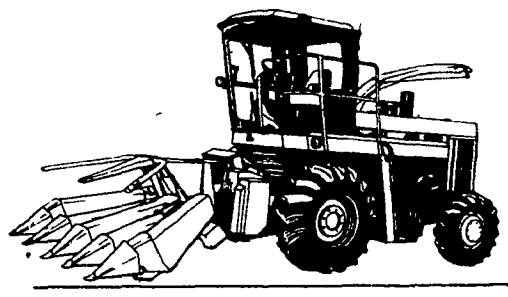
If your entire weed control program seemed to be ineffective, reread the label to see if you followed instructions. Just a few simple mistakes during application can result in complete failure. Either too much or too little rain soon after application can often cause a great loss of effectiveness in many herbicides.

in many herbicides.

(Turn to Page A12)

CHOOSE A DEERE

JOHN DEERE



FINANCE CHARGE WAIVER OR A BONUS

Now through July, John Deere's making very special offers to buyers of new hay and forage equipment—above and beyond the very competitive deals we're making. These special John Deere offers provide either a waiver of finance charge or a sizable bonus in John Deere money.*

If you choose to finance your new hay or forage tool purchase with John Deere, you can elect to take a waiver of finance charge to January 1, 1983.

Or—if you pay cash for your purchase, finance it with Deere (without waiver) or lease it from Deere, you'll be sent a John Deere money bonus of up to $2,700. John Deere finance and lease plans are subject to approved credit. You can use John Deere money for any of the goods or services we offer.

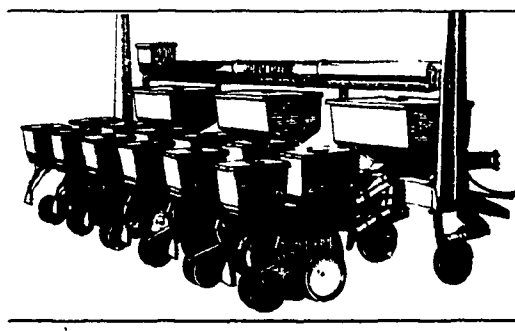
You must act promptly—the special offers at this level will be effective only through July.

MODEL	BONUS WITH CASH PURCHASING, LEASING FROM DEERE, OR FINANCING WITH DEERE (without waiver) June-July, 1982
Self-Propelled Forage Harvesters	$2,700
Self-Propelled Windrowers	$600
Pull-Type Forage Harvesters	$500
Round Balers	$350
Square Balers	$300
Mower/Conditions	$250

*This offer may be withdrawn at any time

CHOOSE A DEERE

JOHN DEERE



CHOOSE YOUR DEERE BONUS

During John Deere's post-emerge sale on Max-Emerge™ Planters, you can qualify for big savings above and beyond the good deal you'll get from us. And you have a choice of money-saving plans.

Take your pick of any of the planters listed here. Then if you choose to finance your new planter with Deere,* you can elect to have finance charges waived until April 1, 1983. On top of that, you'll receive a John Deere money bonus ranging from $500 to $6,100 after we deliver your new planter.

But, it you prefer, you can pay cash for your new planter, or finance it with Deere (without waiver), or lease it from Deere,* and you'll get anywhere from $800 to $9,300 in John Deere money after we deliver the planter.

But hurry, this offer at these levels is for a limited time only.

*John Deere finance and lease plans are subject to approved credit.

*This offer may be withdrawn at any time

MODEL	JOHN DEERE MONEY BONUS WITH WAIVER DURING JUNE-JULY, 1982	JOHN DEERE MONEY BONUS WITHOUT WAIVER DURING JUNE-JULY, 1982
7000 Front-Folding:		
24-row N	$6100	$9300
18-row N	$4400	$6700
16-row N	$3900	$6000
12-row W	$3500	$5300
12-row N	$2600	$4000
8-row W	$2200	$3300
7000:		
12-row N	$1900	$2900
8-row W	$1200	$1800
8-row N	$1100	$1700
6-row W	$1000	$1500
6-row N	$800	$1200
4-row W	$500	$800
4-row N	$500	$800
7000 Conservation:		
8-row N	$1300	$2000
6-row W	$1100	$1700
6-row N	$1000	$1500
4-row	$700	$1100
7100 Integral:		
12-row N	$1200	$1800
10-row N	$1000	$1500
8-row N	$900	$1300
8-row W	$800	$1200
6-row N	$700	$1000
6-row W	$600	$900
4-row W	$500	$800

N = Narrow W = Wide

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(near Adamstown)
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CHAPMAN EQUIPMENT CENTER
Agway Inc.
Chapman, PA
215-398-2553

CLUGSTON IMPLEMENT, INC.
Chambersburg, PA
717-263-4103

J.S. COVERT & SONS
Neshanic Station, NJ
201-369-5241

OXFORD GREENLINE
Oxford, PA
215-932-2753 -
215-932-2754

EVERGREEN TRACTOR CO., INC.
Lebanon, PA
717-272-4641

FOSTER EQUIPMENT SALES
Elmer, NJ
609-769-1535

H.R. GUTSHALL & SONS, INC.
Carlisle, PA
717-249-2313

ROBERT G. HAMPTON, INC.
Shiloh, NJ
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KERMIT K. KISTLER INC.
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ROBERT E. LITTLE INC.
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215-287-9643

PIKEVILLE EQUIPMENT INC.
Oyster Dale Road
Oley RD2, PA
215-987-6277

GEORGE V. SEIPLE & SON
Easton, PA
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SHOTZBERGER'S EQUIPMENT
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TOBIAS EQUIPMENT CO., INC.
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WENGER IMPLEMENT, INC.
The Buck-Quarryville, PA
717-284-4141

WOODHULL-EQUIPMENT, INC.
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609-654-2011

M.S. YEARSLEY & SONS
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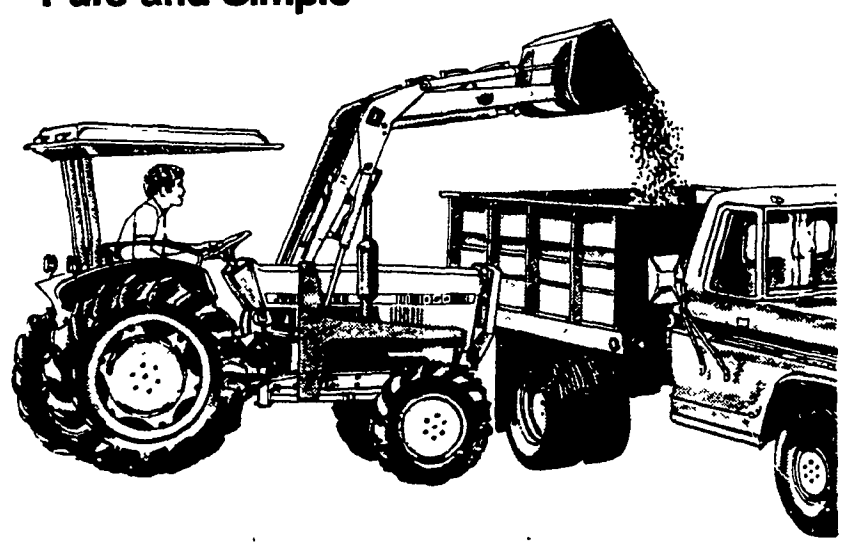
Pure and Simple



John Deere Compact Utility Diesel Tractors

John Deere Compact Utility Diesel Tractors are built to handle a number of jobs, with just a fraction of the fuel used by larger tractors. They're basic, simple tractors designed for easy upkeep, easy operation. Tractors that take a turn at mowing, loading, digging post holes, dredging ponds, plowing and planting . . .then come back for more.

There are six models to chooe from - the 650, 750 and 1250 Tractors with 14.5, 18 and 40 PTO hp respectively, the 850 with 22 PTO hp, the 950 with 27 PTO hp and the 1050 with 33 PTO hp*. All have 8-speed transmission . . .differential lock . . . color-coded controls . . . and more. The 3-point hitch handles Category 1 implements, and features load-and-depth control ont he 1050. The 540-rpm PTO (continuous-running on the 1050) engages with a conveniently located lever.

The 1250 features mechanical front-wheel drive as standard. The 650, 750, 950 and 1050 can be equipped with mechanical front-wheel drive.

If you need a compact tractor that doesn't require a degree in advanced mechanics to service and operate, see us today. We have a compact utility tractor, plus the implements you need for your particular operation.

* Maximum PTO hp at 2600 engine rpm for the 650 and 850. 2400 engine rpm for the 750, 950 and 1050, 2500 engine rpm for the 1250. All ratings by official test, except for the 650, 750 and 1250, which are factory observed

Farm Calendar

(Continued from Page A10)

Monday, Aug. 2

Clearfield County Fair, Clearfield, continues through Saturday.

Morrison Cove Dairy Show, Martinsburg, continues through Friday.

Cumberland Fair, Cumberland, Md. Fairgrounds, continues through Saturday.

Del.-Md. Forage Field Day, 8:30 a.m., Hickory Hill Research Farm, Rt. 42 between Cheswold & Kenton, Del.

Tuesday, Aug. 3

Western Pa. Championship Holstein Show, 9 a.m., Crawford County Fairgrounds.

Jacktown Fair, Wind Ridge, Green County, continues through Saturday.

Mercer County Grange Fair, Mercer, continues through Saturday.

Stanton Community Fair, New Stanton, continues through Saturday.

Eastern Shore Holstein Field Day, Queen Anne's Co. 4-H Park, Centreville, Md.

Wednesday, Aug. 4

Lancaster County Conservation District, 7 p.m., Northern Lancaster County Sportsmen's Club, Reinholds.

Great Lakes Fruit & Vegetable Progress Days, North East, Erie County, continues tomorrow.

Thursday, Aug. 5

Somerset County Fair, Civic Center, Princess Anne, Md., continues through Saturday.

Lancaster County Guernsey Field Day, 10:30 a.m., Fred Crider farm, Nottingham.

FFA Young Couples Conference, Holiday Inn, State College, continues tomorrow.

Friday, Aug. 6

Central New Jersey Holstein Show, 10 a.m., Flemington Fairgrounds.

Montgomery County No-Till Farm Tour, 10:30 a.m. - 3 p.m., begins at Sherman Heebner farm, Worcester.

Saturday, Aug. 7

Clinton County Fair, Castanea, continues through next Saturday.

Green County Fair, Waynesburg, continues through next Saturday.

Eastern Shore Guernsey Field Day, Queen Anne's Co. 4-H Park, Centreville, Md.

Adams County Beef Producers Field Day, 10 a.m. - 4 p.m., Paul Heffner farm.

Now is the Time

(Continued from Page A10)

To Be Safety Alert

During this busy, hot harvest season, take time to be safe. Reports show that human errors are responsible for about 85 percent or more of all farm accidents.

Many accidents that are blamed on mechanical failures could have been prevented if someone had checked and repaired the equipment as the need arose. It is human to make mistakes but it can also be dangerous.

Harvest is the payoff for a season of hard work, but there may be no pay-day for those who fall victim to a serious harvesting accident.

National Farm Safety Week is coming up during September 19-25. Let's not wait till then to practice safe habits.

Livestock market and auction news

Four States Livestock

Hagerstown, Md.
Wednesday, July 21
Report supplied by auction

SLAUGHTER: Fed Steers 1.00-2.00 lower; Choice 60.00-62.00; Good 56.00-59.00; Medium 55.00 Down Heifers Good 54.00-57.50; Medium 53.00 Down. Cows 1.50 lower; High Yield 43.00-47.00; Average 39.00-42.00; Big Middle 36.00-38.00; Fatty Herf. 35.00-37.00; Shelly 37.00 down. Fat Bulls: $2.00 lower; Good 50.00-51.50; Medium 47.00-49.00. Veal Calves: 2.00-4.00 lower; Choice 75.00-78.00; Good 68.00-74.00; Medium 60.00-67.00; Farm Hfrs. to 70.00; Farm Bulls to 79.00; Light & Weak 45.00 down. Lambs: 1.00-2.00 lower; Choice 50.00-52.00; Good 45.00-49.00; Medium 44.00 Down.

STOCKER: Steers 300-550 lbs. Mostly steady. Choice 62.00-65.50; Good 55.00-61.00; Medium 50.00-54.00; Culls 49.00 Down. Steers 600-850 lbs. Choice 60.00-63.00; Good 55.00-59.00; Medium 54.00 Down. Heifers (All Weights) Choice 51.00-57.00; Good 44.00-50.00; Medium 43.00 Down. Bulls Good 45.00-49.00; Medium 44.00 Down. Dairy Cows to 500.00. Springing Heifers to 950.00. Pigs, Hd. Very active. Steady prices, 20-30 lbs. 25.00-41.00; 40-60 lbs. 42.00-50.00. Shoats by lb. to 50.00. Slaughter hogs 1.00 lower 210-230 lbs. 59.50-59.25; 240-260 lbs. 57.00-59.00; 190-205 lbs. 58.50-59.00. Sows: 450-550 lbs. 52.00-54.75; 300-425 lbs. 47.00-51.00.

G&M Livestock

Monday, July 26
Duncansville, Pa.
Report supplied by auction

Compared to last week, steers-lower, cows sharply lower, hogs-steady & active.

STEERS: Choice 64.00-66.00; Good to Choice 56.00-64.00; Standard to Good 50.00-56.00; Other Utility 42.00-50.25.

FEEDER PIGS: 25-35 lbs. 25.00-38.00.

HEIFERS: High Choice and Prime 62.00-64.00; Good 54.00-60.00; Other Standard 42.00-54.00..

BULLS: 1100-1900 lbs. 55.00-58.00; 900-1100 lbs. 43.00-51.00.

COWS: High Choice to Prime 44.00-46.00; Good 40.00-44.00; Utility 38.00-40.00; Cutters 36.00-38.00; Canners down to 28.00.

CALVES: High Choice 85.00-95.00; Good to Choice 70.00-85.00; Standard to Good 50.00-70.00; Utility Down to 30.00.

HOGS: 200-240 lbs. 61.00-63.00; 170-300 lbs. 58.00-61.00.

SOWS: 48.00-60.50.

BOARS: 45.00-50.50.

LAMBS: 45.00-61.00.

SHEEP: 15.00-34.00.

GOAT: 15.00-42.00.

Peoria Cattle

Thursday, July 29
Report supplied by USDA

Slaughter Steers and Heifers through Wednesday mostly 1.00-2.00 lower with virtually all the decline posted on Monday's market. Cows and Bulls steady. No loads of Mixed Choice and Prime Steers and Heifers were in evidence this week. The largest share of receipts made up of Good and Choice 950-1150 lbs. Steers and 850-950 lbs. Heifers. Cows about 9% of total receipts. Receipts about 2300 this week as compared to 2390 a week ago and 2548 a year ago.

SLAUGHTER STEERS: Choice 2-4 1100-1275 lbs. 63.00-64.50, few part loads 1195-1275 lbs. at 64.75-65.00. 2-3, mostly 3 950-1100 lbs. 61.00-63.50. Mixed Good and Choice 2-3 1050-1150 lbs. 61.50-62.50. Good 2-3 950-1100 lbs. 57.00-61.50. Few Good 2 1000-1300 lbs. Holsteins 52.00-54.00.

SLAUGHTER HEIFERS: Choice 2-4 900-1050 lbs. mostly 61.50-63.00, few 950-1000 lbs. 63.25-63.50; 800-900 lbs. 57.00-62.00. Mixed Good and Choice 2-4 900-1000 lbs. 60.00-61.50; 850-900 lbs. 56.00-60.00. Good 2-3 850-950 lbs. 55.00-60.00; 700-850 lbs. 54.00-56.00.

COWS: Utility and Commercial 1-3 41.00-44.00, few Utility 45.00. Cutter 1-2 37.00-41.00. Canner and low Cutter 34.00-38.00.

BULLS: YG 1-2 1000-2000 lbs. 49.00-53.00, mostly 50.00-52.00.

Lancaster Feeder Cattle

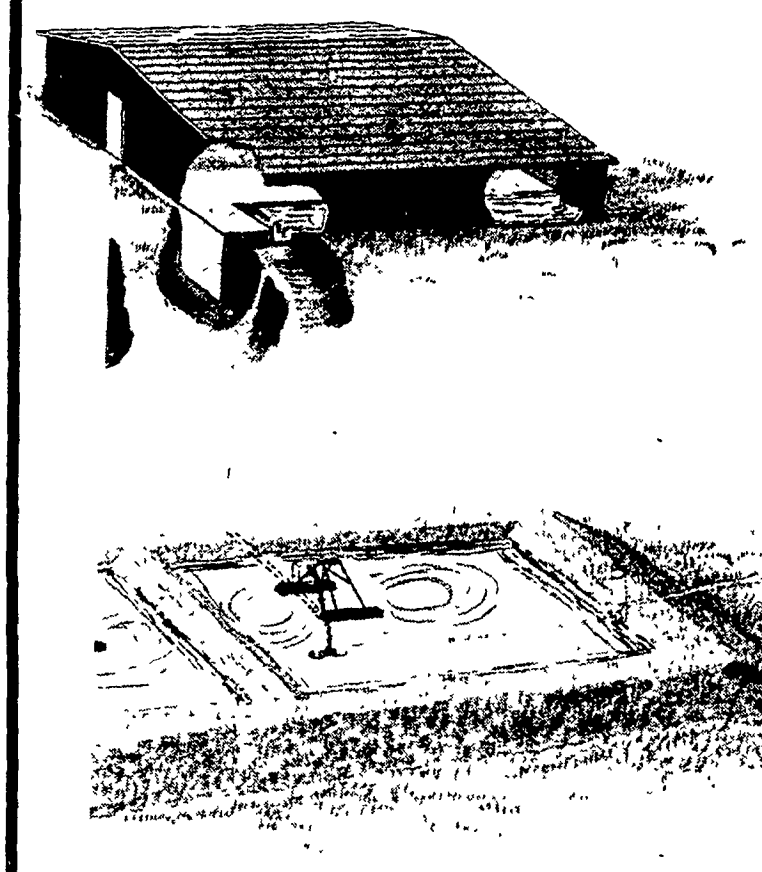
Friday, July 26
Report supplied by USDA

Today	194
Last Friday	167
Last Year	675

TREND: Not enough to offer for an accurate price test.

FEEDER STEERS: Medium Frame 1: 445-665 lb. 59.85-63.00. Medium and Large Frame 1: 690-975 lb. 56.00-60.50. Medium Frame 1-2: 535-660 lb. 53.25-58.50.

FEEDER BULLS: Medium Frame 1-2 365-820 lb. 47.75-56.25. Large Frame 2 Holsteins: 775-1145 lb. 42.75-46.85.



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BEST IN DESIGN, PRICE AND EXPERIENCE

Livestock market and auction news

Carlisle Auction

Carlisle, Pa.
Tuesday, July 27
Report supplied by auction

CATTLE: Steers were 2.00 lower; Heifers were steady to .25 higher; cows were steady to 1.00 lower; Bullocks were 4.00 higher; Bulls were steady with last week's prices. Steers: Choice 63.00-65.00, Good 55.50-60.75; Standard 53.75-56.00; Utility 49.25 Down. Heifers: Good 56.60-57.75, Standard 51.00-54.50, Utility 48.00 Down. Cows: (high yield cows in early bird pens 2.00 higher) Utility & Commercial 42.50-45.00; Cutter 40.60-43.00; Canner & Low Cutter 36.85-40.00; Shells 33.50 Down. Bullocks: Good to 61.00; Standard 53.25 Down (No choice offered). Bulls: Yield Grade No. 1, 50.00-53.00 Yield Grade No. 2; 48.50 Down.

FEEDERS: No Choice offered. Steers were 6.00 higher; Heifers were steady to 1.50 higher; Bulls were steady as compared to last week's prices. Strong demand for Good Steers & Heifers. Steers: Good 165-375 lbs. 59.00-63.00; Good 455-485 lbs. 50.00-61.00; Medium 625-695 lbs. 49.00-59.00. Heifers: Medium 345-4[illegible] 50.50-53.00; Medium 497-585 lbs. 46.00-47.50; Utility 650-782 lbs. 42.00-45.00.

CALVES: Vealers were 7.00 lower; Large run of calves. Vealers: Choice 78.00-88.00; Good 60.00-75.00; Standard and Good 55.00-70.0. Back to Farm: Hol. Bulls 80.00-83.00. Hol. Heifers: 82.00-88.00.

HOGS: Strong Demand! Very Active! Prices Higher! US No. 1-2; 63.50-64.85; US No. 1-3 60.50-63.00. Sows: US No. 1-3; 52.50-54.00; No. 2-3 47.00-52.00. Boars: 40.00-44.25.

FEEDER PIGS: US No. 1-3 30-38 lbs. 39.00-48.00 Hd. No. 1-3; 54-70 lbs. 50.00-54.00 Hd. Utility 20-22 lbs. 21.00-26.00 Hd.

SHEEP: Lambs: Good 42.00-47.00 lb. Ewes: 12.00-18.50 lb. Goats: 27.00-49.00 hd.

Morrison Cove Livestock

Martinsburg, Pa.
Monday, July 26
Report supplied by auction

CATTLE 252: High Choice & Prime slaughter steers 64.85-66.35, Choice 64.00-64.85, Good 62.00-63.85, Standard 57.35-59.25, Utility 44.50-50.25. Choice slaughter heifers 63.85-65.25, Good 60.25-62.00, Standard 56.00-59.75, Utility 47.50-55.75. Utility & Commercial slaughter cows 43.50-46.75, Cutters 41.50-53.75, Canner & Low Cutter 37.50-40.50, Shells down to 28.00. Good slaughter bullocks 53.50-55.25, Standard 50.25-52.00, Utility 45.50-48.50. Yield Grade #1 slaughter bulls 50.25-53.50; yield grade #2 48.60-54.10. Choice feeder steers 56.50-58.50, Good 52.50-55.25, Medium 44.50-52.50; Good feeder heifers 54.50-56.50, 70-90 51.50; Good feeder bulls 54.50-58.50, Medium 44.50-51.50.

CALVES 366: Prime 86.50-92.50, Choice 78.50-82.50, Good 65.00-71.50, standard & Good 110-130 lbs. 55.50-60.50, 90-110 lbs. 52.50-56.50, 70-90 lbs. 40.50-50.50. Farm calves, holstein bulls 90-130 lbs. 72.50-89.50; holstein heifers 90-130 lbs. 70.50-118.50.

HOGS 235: US No. 1-2 200-250 lbs. barrows & gilts 61.50-63.00, No. 1-3 200-250 lbs. 60.50-62.35, No. 2-3 58.50-60.50, No. 2-4 55.00-58.50. US No. 1-3 sows 53.50-56.50, No. 2-3 45.00-52.50. Boars 46.00-48.50.

FEEDER PIGS 82: US No. 1-3 25-40 lbs. feeder pigs 17.50-32.50 per head, No. 1-3 40-60 lbs. 35.00-47.00 per head.

SHEEP 7: Good 80-90 lbs. spring slaughter lambs 46.00-52.00, Utility 75-85 lbs. 40.00-46.00. Few Slaughter ewes 17.00.

GOATS 12: 18.00-72.00 per head.

Joliet Cattle

Thursday, July 29
Report supplied by USDA

Friday through Wednesday's salable receipts 2,350; 5 days last week 2,114; same period a year ago 2,873. Trading slow to moderate for the week. Slaughter Steers ended the week steady to .50 lower than Wednesday of last week. Slaughter Heifers ended the week .50, instances 1.00 lower. Cows ended the week steady.

SLAUGHTER STEERS: Mixed High Choice and Prime 3-4 load 1340 lb. 68.50 Monday; 67.00-67.50 Wednesday. Choice 2-4 1100-1200 lb. 63.00-65.00 Monday; 65.00-66.00 Wednesday, 1000-1100 lbs. 62.00-63.50 Monday; 63.25-65.00 Wednesday. Mixed Good and Choice 2-3 1000-1100 lb. 60.00-62.00 Monday; 61.00-63.00 Wednesday.

SLAUGHTER HEIFERS: Choice few Prime 3-4 1000-1050 lb. 64.00 Monday. Choice 61.50 Monday; 60.50-62.00 Wednesday. Mixed Good and Choice 2-3 800-1000 lbs. 55.00-60.00 Monday; 57.00-61.50 Wednesday.

SLAUGHTER COWS: Cutter & Utility 1-3 38.00-41.00 Monday; 37.50-41.50 Wednesday.

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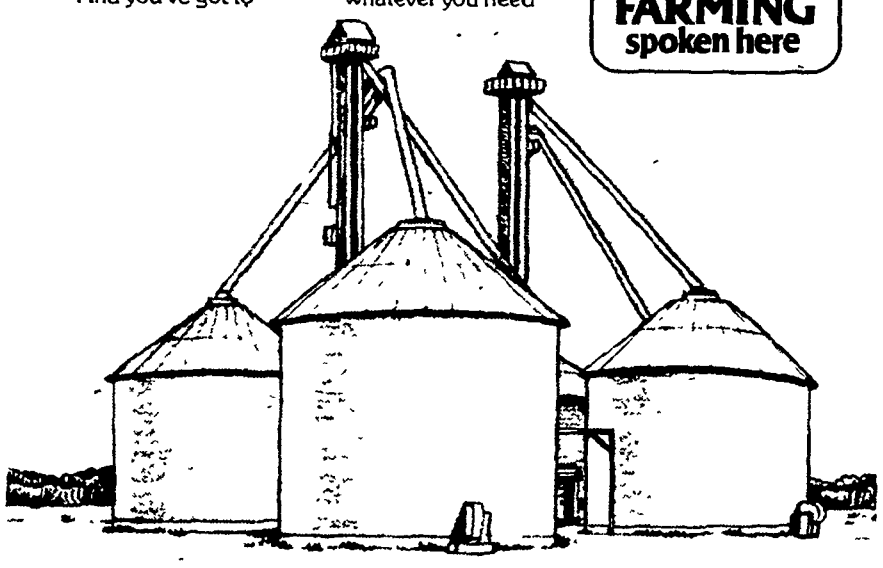

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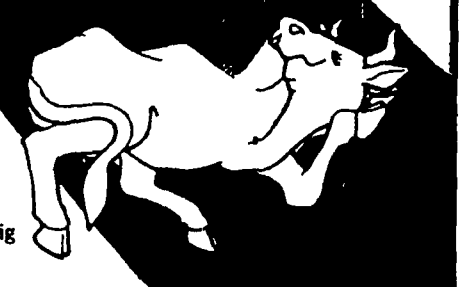

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Livestock market and auction news

St. Louis Cattle

St. Louis
Thursday, July, 29
Report supplied by USDA

Receipts this week 4,000; Week ago 4,200; Year ago 3,700.

CATTLE: Compared to the previous weeks close, slaughter steers .50-1.00 lower. Slaughter heifers 1.00-1.50 lower. Cows 2.00-3.00 higher. Bulls 1.00 higher. Slaughter supply mainly Choice and Prime slaughter steers, around 35% heifers and 10% cows.

SLAUGHTER STEERS: Mixed Choice and Prime 2-4 1050-1320 lbs. 63.00-65.00, closing 64.00-65.00, package 1275 lbs. 65.25. Choice 2-4 950-1250 lbs. 61.50-64.00, closing 62.50-64.00. Mixed Good and Choice 2-4 900-1175 lbs. 60.00-63.00. Good 2-3 900-1200 lbs. 58.00-61.00. Mostly Good 2-3 1050-1300 lb. Holsteins 54.00-58.00.

SLAUGHTER HEIFERS: (Thru mid-week) Mixed Choice and Prime 2-4 900-1050 lbs. 61.00-62.00. Choice 2-4 900-1050 lbs. 59.25-61.00; 800-900 lbs. 56.00-60.00. Mixed Good and Choice 2-3 800-1000 lbs. 55.00-57.00. Good 2-3 750-950 lbs. 53.00-55.00.

COWS: (Closing week sales) Utility and Commercial 2-4 39.00-43.00. Boning Utility 1-2 43.00-45.00. Cutter 1-2 38.00-42.00. Canner and low Cutter 1-2 35.00-38.00.

BULLS: YG 1-2 1050-1900 lbs. 47.00-52.00. FEW YG 1 53.00.

FEEDERS: (including around 900 at the regular Thursday auction.) Feeder Steers and Heifers fully steady. Supply mainly Medium Frame 1-2 400-700 lb. Steers and Heifers. Overall quality below normal.

FEEDER STEERS: Medium Frame 1: 400-600 lbs. 64.00-66.50; 600-800 lbs. 62.00-64.00. Few lots fleshy 750-850 lbs. 61.50-61.75. Medium Frame 1-2: 400-700 lbs. 61.00-64.00. Medium Frame 2: 500-700 lbs. 55.00-60.00. Large Frame 2 Holsteins: 350-700 lbs. 50.00-55.00.

FEEDER HEIFERS: Medium Frame 1: 300-600 lbs. 54.00-58.00; 600-800 lbs. 53.00-56.50. Medium frame 1-2: 350-500 lbs. 51.00-54.00.

Shenandoah Valley Livestock

Harrisonburg, Va.
Saturday, July 24
Report supplied by auction

FEEDER CATTLE: Steers: M&L-1 300-500 lbs. 60.00-70.00; 500-700 lbs. 58.00-62.00; 700-1000 lbs. 56.00-59.50; Holstein 300-1000 lbs. 50.00-57.00. Feeder Bulls: M&L-1 300-500 lbs. 53.50-57.00; 500-700 lbs. 51.75-52.00; 700-1000 lbs. 50.00-55.00. S-1&M&L-2 300-500 lbs. 46.50-52.00; 500-700 lbs. 51.50-57.00. Feeder Bulls: 300-500 lbs. 47.50-52.00; 700-1000 lbs. 45.00-47.00. Heifers: M&L-1 300-500 lbs. 48.00-51.50; 500-700 lbs. 49.50-52.00; 700-800 lbs. 50.00-53.50. S-1&M&L-2 300-500 lbs. 43.00-50.00; 500-700 lbs. 46.50-47.50. Stock Cows: Beef 400.00-460.00; Dairy 740.00-840.00.

SLAUGHTER COWS: Utility & Commercial 2-4 33.00-42.75; Canner & Cutters 1-3 29.00-37.75.

SLAUGHTER BULLS 1 & 2 45.00-49.50.

LAMBS: 2.50 lower High Choice & Prime 54.50; Choice 48.25; Feeder Lambs Choice 47.50; Slaughter Ewes 15.00-21.50.

HOGS: US 1-3 200-240 lbs. 59.00; Sows 1-3 49.50-56.00; Boars 44.00-45.00.

VEAL: Choice & Prime 65.00-69.00; Good 60.00-65.00.

SLAUGHTER CALVES: Good & Choice 51.00-59.00.

Dewart Livestock

Dewart, Pa.
Monday, July 26
Report supplied by PDA

CATTLE 226: Compared with last Monday's market, slaughter steers 1.00-2.00 lower. Slaughter cows steady to 1.00 lower. High Good to Low Choice 2-4, 950-1300 lbs. slaughter steers 60.25-63.00, one 63.75, Good 55.25-59.00, Standard 49.00-54.00. Few Choice slaughter heifers 58.00-63.00, few Good 51.00-54.00. Utility & Commercial slaughter cows 41.50-45.10, Cutters 38.50-41.50, Canner & Low Cutters 35.00-38.50, Shells down to 32.00. Yield Grade #1-2, 1080-1970 lbs. slaughter bulls 47.50-54.75. Few Large Frame #1, 500-600 lbs. feeder heifers 50.50-53.50.

CALVES 234: Individual Prime vealer at 98.00, few Choice 78.00-93.00, few Good 57.00-70.00, Standard & Good 70-110 lbs. 51.00-55.00, Utility 50-80 lbs. 40.00-52.00. Farm Calves: Holstein Bulls 85-130 lbs. 55.00-85.00, couple 88.00, Holstein Heifers 80-160 lbs. 58.00-99.00.

HOGS 226: US No. 1-2 210-245 lbs. barrows and gilts 62.85-64.50, No. 1-3 200-245 lbs. 62.35-63.00. US No. 1-3 300-575 lbs. sows 52.75-56.50. Boars 43.75-47.75.

FEEDER PIGS 180: US No. 1-3 10-15 lbs. feeder pigs 28.00-31.00 per head, No. 1-3 20-35 lbs. 34.00-40.00, No. 1-3 40-50 lbs. 39.00-48.50 per head.

SHEEP 10: Few Choice 75-100 lbs. 55.50-62.00.

Indiana Livestock

Homer City, PA
Thursday, July 29
Report supplied by PDA

CATTLE: 149. Compared with last week's market: Sl. cows mostly steady. Sl. steers few Choice 62.75-64.75; Good 59.00-63.00; Standard 51.00-59.00. Sl. heifers few Standard 48.00-51.00. Sl. cows: Utility & Commercial 41.00-44.00; Cutters 37.50-41.50; Canner & L. Cutter 31.00-38.00; Shells down to 24.00. Sl. bulls: Yield Grade No. 1, 1000-1600 lbs. 49.00-52.00; Yield Grade No. 2, 900-1300 lbs. 44.25-48.00.

FEEDER CATTLE: Steers, few Medium Frame No. 1, 550-700 lbs. 46.00-55.00.

CALVES: 123. Few Choice 70.00-80.00; Good 55.00-70.00; 90-120 lbs. 49.00-56.00; 60-85 lbs. 40.00-50.00.

FARM CALVES: Hol. Bulls 90-120 lbs. 56.00-80.00.

HOGS: 152. US No. 1-2 200-250 lbs. 60.00-60.75 No. 1-3 190-245 lbs. 59.00-60.00; No. 2-3 230-280 lbs. 57.00-58.50; No. 1-3 150-180 lbs. 55.00-57.00; Sows US No. 1-3 300-600 lbs. 53.00-55.00; No. 2-3 340-500 lbs. 50.00-53.00. Boars 40.00-46.00.

FEEDER PIGS: 0.

SHEEP: 34. Few Choice 80-95 lbs. 57.00-58.00; Good 70-85 lbs. 50.00-54.00; Utility 60-70 lbs. 41.50-48.00. Sl. sheep: 13.00-18.00.

GOATS: 4. 12.00-35.00.

Westminster Livestock Auction

Westminster, Md.
Tuesday, July 27
Report supplied by auction

BUTCHER COWS: Good run! 1.00 higher. High yield 46.00-48.25; Standard & Utility 41.00-45.00; Canners 37.00-41.00; Shelly 38.00 down; Bulls few Good to 52.25, Standard to 48.25; Steers Good & Choice 950-1100 lb. 59.00-61.50; Heifers Good & Choice 850-900 lbs. 56.50, 1 head 1295 lb. at 57.75.

BUTCHER HOGS: Light run, no test. US #1 & 3 215-240 lb. 58.00-60.00; US #3 240-260 lb. 1 lot to 56.85. Sows 350-550 lb. 48.00-53.00; Boars 290-620 lb. 44.00-44.75.

VEAL CALVES: Light killers 5.00-8.00 lower. Choice 1 to 95.00; Good 65.00-80.00; Stocky 40.00-60.00; Killers 80-100 lb. 48.00-53.00; Weak & Rough 48.00 down.

CALVES RETURNED TO FARM: 5.00 lower. Holstein Bulls 100-125 lb. 60.00-71.00, some 95-105 lb. 55.00-60.00; Beef Type: 80-100 lb. 55.00-70.00.

STOCK CATTLE: Light run. Steers: 300-750 lb. 50.00-58.00, Holsteins to 48.50; 800-950 lb. 55.00-57.00, Holsteins 42.00-45.00. Heifers few 42.00-44.00. Bulls 300-500 lbs. 50.00-53.00.

PIGS AND SHOATS: Very active on all sizes. By the Head 30-60 lb. 34.00-58.00. By the lb. 100-150 lb. 57.00-69.00.

Chambersburg Livestock

Chambersburg, Pa.
Thursday, July 29
Report supplied by PDA

CATTLE: 437. Compared with last week's market; Slaughter steers steady to 1.50 higher; Sl. cows .50-1.50 higher. Sl. steers: Choice No. 2-4, 1000-1300 lbs. 62.25-65.85, Good 55.85-60.25; Standard 49.50-55.50. Sl. Heifers: Choice 57.75-61.00; few Good 52.75-56.00. Sl. cows: Utility & Commercial 41.00-45.60; Cutters 39.75-43.25; Canner & L. Cutter 36.00-40.00. Sl. bulls: few Yield Grade No. 1, 1290-1800 lbs. 50.00-54.75; few Yield Grade No. 2, 800-1170 lbs. 45.00-48.50.

FEEDER CATTLE: Steers, few Large Frame No. 1, 600-840 lbs. 57.50-60.50.

CALVES: 627. Choice 70.00-93.00; Good 55.00-65.00, Standard & Good 70-100 lbs. 48.00-54.00.

FARM CALVES: Hol. Bulls 85-130 lbs. 52.00-72.00; Hol. Heifers 70-150 lbs. 51.00-92.00.

HOGS: 61. 2 Lots No. 1-3 220-240 lbs. 59.50-60.35; Sows US No. 1-3 300-550 lbs. 50.00-52.75. Few Boars 42.00-42.25.

FEEDER PIGS 33: Few lots US no. 1-3 30-45 lbs. 33.00-35.00 per head.

SHEEP: 47. Good 50-75 lbs. feeder lambs 42.00-47.00.

GOATS: 7. Few Large 17.00-44.00 per head.

North Jersey Livestock

Hackettstown, N.J.
Tuesday, July 27
Report supplied by auction

1273 head.

Calves 20.00-97.50; Cows 35.00-50.00; Easy Cows 30.00-43.00; Reactor Cows 36.00-44.00; Heifers 41.00-62.00; Bulls 48.00-58.75; Steers 44.00-62.50; Hogs 45.00-70.00; Roasting Pigs, each 10.00-46.00; Kids each 5.00-42.00; Boars 42.00-56.00; Sows 47.00-49.00; Sheep 10.00-56.00; Lambs, each 5.00-49.00; Lambs, per lb. 30.00-64.00; Goats, each 5.00-77.50; Hides 10.00.

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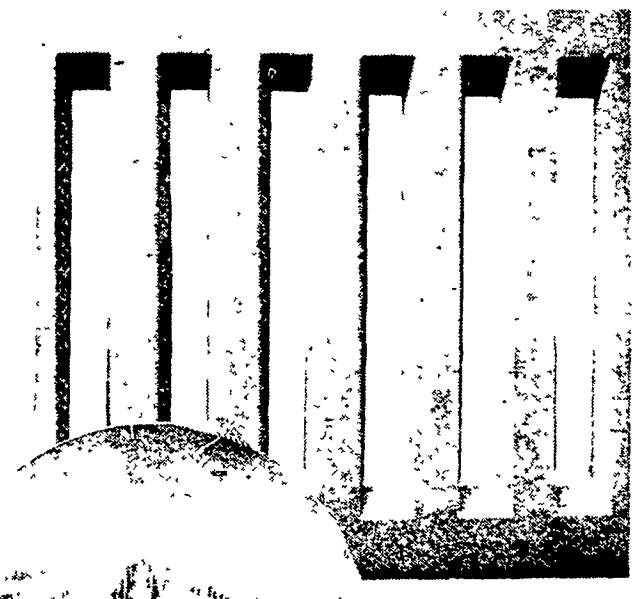

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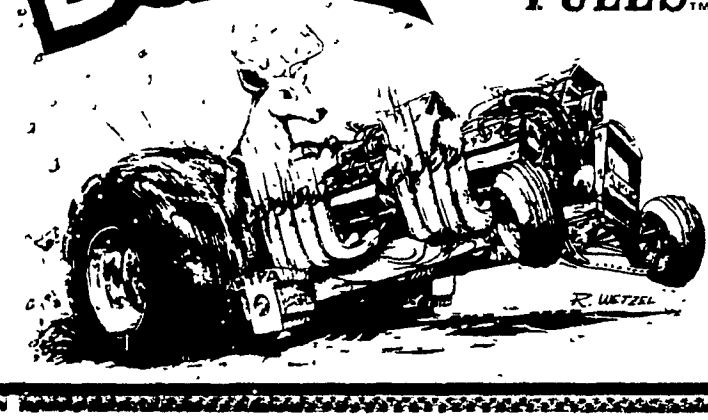

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Livestock market and auction news

Leesport Livestock

Leesport, PA
Wednesday, July 28
Report supplied by PDA

CATTLE 334: Compared with last Wednesday's market, slaughter steers grading Choice about steady, Standard & Good $2 lower. Slaughter cows uneven, mostly steady to $1 lower. Choice No. 2-4 1000-1275 lbs. slaughter steers 63.00-67.00, Good 56.00-61.00, couple 62.00, Standard 51.00-54.50, few Utility 43.00-46.00. Few Choice slaughter heifers 64.25-65.35, few Good 55.00-55.10. Utility & Commercial slaughter cows 42.00-45.00, couple 47.75, Cutters 39.50-42.25, Canner & Low Cutter 34.75-39.50, Shells down to 32.00. Few Choice slaughter bullocks 58.25-59.00, few Good 54.00-57.00. Yield Grade #1 1100-2050 lbs. slaughter bulls 49.50-56.00, one at 60.00; yield grade #2 950-1150 lbs. 45.00-46.75. Few Medium Frame #1 500-650 lbs. feeder steers 59.50-67.50; few Medium Frame #1 450-600 lbs. feeder heifers 43.50-45.00.

CALVES 170: One Prime vealer at 95.00, Choice 68.00-85.00, few Good 60.00-70.00, Standard & Good 70-100 lbs. 38.00-48.00, few Utility 50-90 lbs. 30.00-40.00. Farm calves, holstein bulls 85-130 lbs. 52.00-79.00.

HOGS 330: Barrows & gilts mostly weak to 50 cents lower. US No. 1-2 215-235 lbs. barrows & gilts 61.00-62.10, one lot 63.10, No. 1-3 220-240 lbs. 59.85-60.75, one lot No. 1-3 197 lbs. at 59.50. US No. 1-3 325-645 lbs. sows 52.75-55.50. Boars 47.00-51.00.

FEEDER PIGS 184: US No. 1-3 25-35 lbs. feeder pigs 120.00-136.00 cwt., No. 1-3 40-50 lbs. 105.00-111.00 cwt.

SHEEP 76: Choice 60-95 lbs. spring slaughter lambs 52.00-62.00, few 45-50 lbs. 76.00-84.00, Good 80-85 lbs. 41.50-45.00. Slaughter ewes 16.00-24.00.

GOATS 21: Few Large Goats 30.00-39.00 per head, few kids 17.00-24.00 per head.

BERKS COUNTY FFA HOG SALE

63 head: Champion 225 lbs. at $3.10 per lb; Reserve Champion 225 lb. at $2.00 per lb.

Lancaster Weekly

(Continued from Page A2)

Good 1000-1350 lbs. 51.75-55.50.

BULLS: Yield Grade 1 1400-2000 lbs. 53.75-54.50, few 54.50-55.75, individual 64.35, 6 head 20.35-24.70 lbs. 48.85-52.00; Yield Grade 2 1000-1450 lbs. 46.75-51.00.

VEAL CALVES: Vealers uneven. Few Choice and Prime firm to 5.00 higher. High Good and low Choice 140.00-300.00 lbs. steady, 65-115 lbs. closed 10.00-15.00 lower. Demand fair for calves returned to farm.

VEALERS: Prime 150-350 lbs. 95.00-110.00; Choice 180-350 lbs. 80.00-95.00; high Good and low Choice 180-340 lbs. 65.00-80.00, 120-160 lbs. 60.00-70.00, 80-115 lbs. 44.00-52.00, few 52.00-54.00, 65-80 lbs. 30.00-45.00.

RETURNED TO FARM: Few 90-115 lb. holstein heifers 56.00-63.00, few 80-90 lbs. 52.00-53.00; bulk 95-120 lb. holstein bulls 72.00-83.00, few 83.00-85.00, 80-95 lbs. 52.00-65.00, few 65.00-75.00.

Weekly Summary

Friday, July 30
Report supplied by PDA

CATTLE: 7224. Compared with 6687 head last week, and 6942 head a year ago. Compared with last week's Market: Slaughter steers mostly steady to .50 lower, spots 1.00 lower, with high Choice & Prime 1.00 higher, Sl. heifers steady to 1.00 lower; Sl. cows unevenly steady, spots 1.00 higher; Sl. bullocks & bulls 1.00-2.00 lower, Sl. steers: High Choice and Prime No. 3-4, 68.00-71.75; Choice No. 2-4 62.00-68.00, Good 57.00-62.50; Standard 49.00-57.00; Sl. heifers: Choice 57.75-63.00, few to 65.25; Good 54.00-58.00; Standard 48.00-55.00. Sl. cows: Utility & Commercial 42.00-45.50, few to 46.75; Cutters 39.00-43.00; Canner & L. Cutter 35.00-40.00, few down to 30.00; Shells down to 24.00. Sl. bullocks: Choice 55.00-59.00; Good 52.00-56.00; few Standard 48.00-52.00. Sl. bulls: Yield Grade No. 1, 1000-2400 lbs. 50.00-55.50, few to 58.50; Yield Grade No. 2, 900-1400 lbs. 45.00-50.50.

FEEDER CATTLE: Steers, few Large Frame No. 1, 300-700 lbs. 57.00-67.50; Medium frame No. 1, 300-700 lbs. 45.00-61.00. Heifers Medium Frame No. 1, 300-700 lbs. 42.00-51.00.

CALVES: 4404. Compared with 4449 head last week and 4187 head a year ago. Vealers weak to 5.00 lower. Few Prime 85.00-110.00; Choice 70.00-95.00; Good 55.00-70.00, few to 80.00; few Standard & Good 110-130 lbs. 60.00-70.00; 90-110 lbs. 45.00-60.00; 65-90 lbs. 38.00-50.00; Utility 50-110 lbs. 30.00-40.00, few down to 20.00.

FARM CALVES: Hol. Bulls 80-125 lbs. 52.00-100.00, mostly 58.00-85.00; Hol. Heifers 85-150 lbs. 50.00-118.50, mostly 52.00-92.00.

HOGS: 6005. Compared with 6694 head last week and 5259 head a year ago. Barrows and gilts unevenly steady. US No. 1-2 200-240 lbs. 61.50-63.00, few to 64.50, No. 1-3 200-250 lbs. 60.00-62.00; No. 2-3 200-275 lbs. 58.00-60.00; Sows uneven. US No. 1-3 300-585 lbs. 52.00-57.50; No. 2-3 300-650 lbs. 45.00-52.00. Boars 42.00-48.50.

FEEDER PIGS: 1445. Compared with 1123 head last week and 1204 a year ago. Feeder pigs 3.00-8.00 lower. US No. 1-3 20-35 lbs. 26.00-38.00 per head, few down to 15.00; No. 1-3 35-60 lbs. 33.00-55.00 per head.

GRADED FEEDER PIGS: 1574. Compared with 2357 head last week and 2170 head a year ago. All sales by CWT. Feeder Pigs mostly steady to 14.00 lower. US No. 1-2 25-40 lbs. 126.00-143.00, 40-50 lbs. 106.00-136.00, 50-60 lbs. 103.00-121.00, 60-70 lbs. 96.00-110.00; US No. 2-3 30-40 lbs. 120.00-130.00, few to 140.00, 40-50 lbs. 100.00-116.00, 50-70 lbs. 75.00-106.00.

SHEEP: 955. Compared with 896 head last week and 786 head a year ago. Mostly 1.00-2.00 higher. Choice 60-100 lbs. 52.00-62.00; Good 50-95 lbs. 45.00-56.00; Utility 45-85 lbs. 40.00-46.00. Sl. ewes: 10.00-30.00.

Belleville Auction

Belleville, Pa.
Wednesday, July 28
Report supplied by auction

CATTLE 182: Couple Good slaughter steers 57.00 and 60.60. One Standard slaughter heifer at 55.75. Utility & Commercial slaughter cows 40.50-44.60, couple 45.10, Cutters 38.75-41.00, Canner & Low Cutter 35.75-57.75, Shells down to 30.60. Yield Grade #1 1115-1380 lbs. slaughter bulls 47.25-51.35.

CALVES 207: Few Good vealers 55.00-68.00, few Standard & Good 70-110 lbs. 41.00, Utility 50-80 lbs. 30.00-42.00. Farm calves, hosltein bulls 85-115 lbs. 58.00-79.00.

HOGS 185: US No. 1-2 210-240 lbs. barrows & gilts 60.35-61.85, 20 head 62.75, No. 1-3 200-260 lbs. 58.00-59.25. US No. 1-3 345-595 lbs. sows 52.75-57.50, No. 2-3 265-435 lbs. 42.00-47.00. Boars 41.75-43.00.

FEEDER PIGS 502: US No. 1-3 15-35 lbs. feeder pigs 27.50-38.50 per head, No. 1-3 35-60 lbs. 39.00-55.00 per head.

SHEEP 58: Good 70-80 lbs. spring slaughter lambs 47.50-51.50, Utility 65-90 lbs. 40.00-46.00. Slaughter ewes 10.00-30.50.

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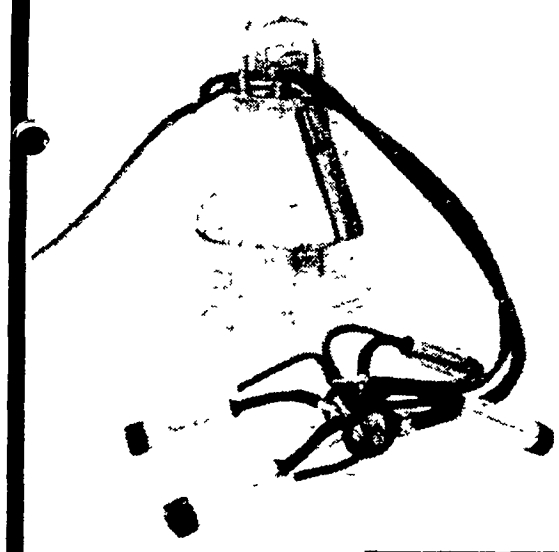

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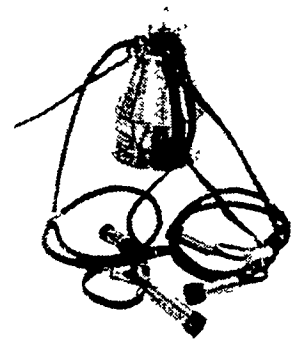

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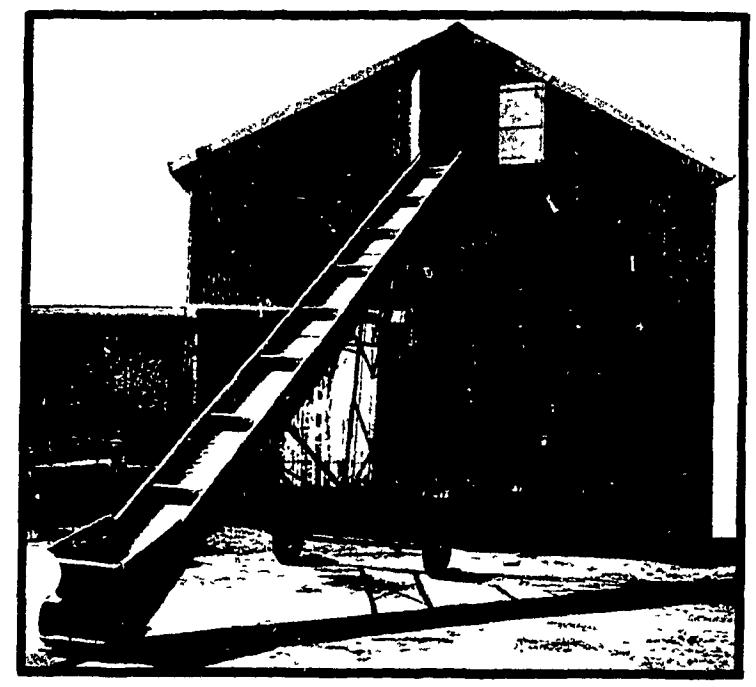

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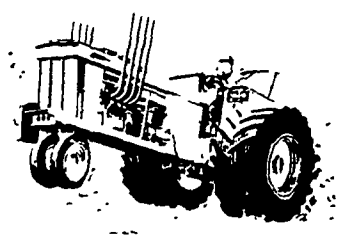

Buck, PA
Saturday, July 24
7000 SS

1. Tony Stauffer, New Holland, PA Deutz 9006 2733; 2. Dale Smoker, Cochranville, PA ACD-21 251.9; 3. Coleman Wheatley, Bethel, DE, JD 4240, 242.1.

5000 Mod.

1. Nathan Wolfe, Bedford, PA, FA/454 Chev. 266.4; 2. Jeff Frantz, Windsor, PA, Hmde/2-427 Chev., 258.2; 3. Craig Luckenbill, Schuylkill Haven, Pa. Hmde/433 Chev., 250.7.

5800 FWD

1. Dan Fellenbaum, Lititz, Pa., 69 Chev., 261.2; 2. Willie Omps, Winchester, VA, 82 Ford, 260.0; 3. Jamie Vance, Innwood WV, 76 Ford, 250.8.

9000 SS

1. Tom Middleton, Ridgely, MD, IH966, 290.4; 2. Tony Stauffer, New Holland, PA, Deutz 9006, 264.0; 3. Coleman Wheatley, Bethel, DE, JD 4240, 258.1.

7000 Mod.

1. Curtis Luckenbill, Schuylkill Haven, PA, F33/433 Chev., 282.4; 2. Curt Stoltz, Lebanon, PA, Hmde/2-468 Chev., 274.9; 3. Bill Haines, Rising Sun, MD, Skidder/427 Chev., 274.8.

6200 FWD

1. Dan Fellenbaum, Lititz, PA, 69 Chevy., 300.0; 2. Howard Lewis, New Carrollton, MD, 73 Chev., 284.1; 3. Mark Hardisty, Easton, MD, 75 GMC, 282.6.

9000 Open

1. Ed Brensinger, Lebanon, PA, Hmdel/2-468 Chev., FP/226.6; 2. Elwood Funk, Lititz, PA, Hmdel/Allison, FP/182.9; 3. Tom Middleton, Ridgely, MD, IH966, 299.9.

Livestock market and auction news

Belknap Livestock Auction

Wed., July 28
Market Supplied by PDA

CATTLE 117. Compared with last Wednesday's market, slaughter cows 50 cents to $1 lower. One Choice slaughter steer at 63.25, couple Good 57.00 and 60.25, Standard 49.75-55.25. One Good slaughter heifer at 53.00, few Standard 48.00-50.75, Utility 44.00-46.00. Utility & Commercial slaughter cows 40.25-43.00, few Commerical No. 4-5 37.00-40.50, Cutters 37.50-40.50, Canner & Low Cutter 30.00-37.50. Few Standard slaughter bullocks 46.00-47.00. Few Yield Grade #1 and #2 1165-1680 lbs. slaughter bulls 46.75-50.75. Medium & large Frame #1 400-770 lbs. feeder steers 49.00-53.50; Medium & Large Frame #1 380-685 lbs., feeder heifers 42.25-50.00.

CALVES 84. One Choice vealer at 84.00, and Good at 69.00, few Standard 46.00-56.00, Standard & Good 90-110 lbs. 50.00-57.00, 65-85 lbs. 40.00-51.00, few utility 50-110 lbs. 30.00-41.00. Farm calves, holstein bulls 90-125 lbs. 55.00-80.00; few holstein heifers 80-95 lbs. 50.00-65.00; beef cross bulls & heifers 70-115 lbs. 50.00-73.00.

HOGS 251. Barrows & gilts 25 cents to 75 cents lower. US No. 1-2 205-240 lbs. barrows & gilts 61.50-62.75, No. 1-3 200-250 lbs. 60.00-61.75, few No. 2-3 220-265 lbs. 58.00-60.00, one lot No. 1-3 185 lbs. 58.00. Sows mostly $2 lower. US No. 1-3 240-505 lbs. sows 53.00-59.00, few No. 2-3 275-740 lbs. 45.00-52.00. Boars 44.00-47.25.

FEEDER PIGS 103. US No. 1-3 20-30 lbs. feeder pigs 27.00-38.00 per head, No. 1-3 35-50 lbs. 46.00-55.00, one lot Utility 30 lbs. at 29.00 per head.

SHEEP 17. Few Choice 80-95 lbs. spring slaughter lambs 57.00-62.00, few Good 40-90 lbs. 42.00-54.00.

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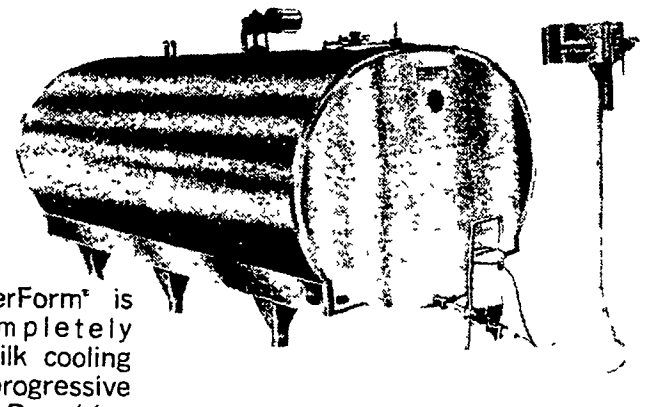

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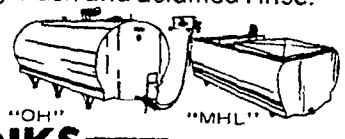

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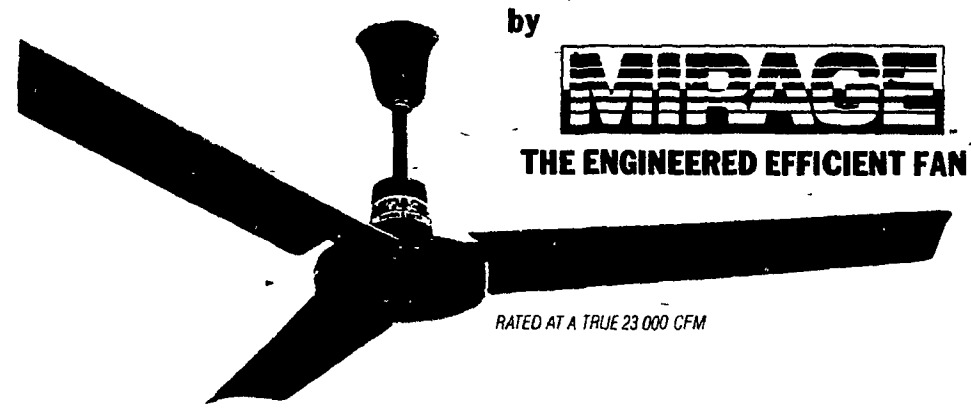

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Chianina Field Day coming Aug. 14

LEBANON — The Northeast Region of the American Chianina Association is holding its Seventh Annual Field Day, steer show, and Northeast Region Chianina Junior Heifer Show on Saturday, Aug. 14 here at the Lebanon Fairgrounds.

Junior Chianina members, along with 4-H'ers and FFA'ers will roll in Friday evening to rest up for a day filled with exciting events, slated to begin at 9 a.m. Along with the livestock judging contest, which will include individual and county group competition, there will be weight judging and showmanship contests, a fun auction, and a free roast beef lunch — Chianina, of course.

FFA, 4-H and Junior ACA members who wish to compete must own a percentage, quarterblood or fullblood Chianina (heifers calved between Sept. 1, 1980 and Dec. 31, 1981; steers calved in 1981). Heifers must have an ACA registration certificate in the name of the junior ACA member-exhibitor.

According to James Glass of the Northeast American Chianina Association, there are no entry fees for the show. But, anyone exhibiting a heifer must be a junior member of ACA. Heifer entries are unlimited, but only two steers per exhibitor are allowed.

Prizes will once again be generous, with the supreme champion heifer receiving a trophy and a $500 prize and the grand champion steer earning $300 and trophy.

Deadline for entries for this year's show is Aug. 3. Forms should be sent to: James Glass, 230 Harrison Ave., Glenside, PA 19038. For more information, contact him at 215/887-0409.

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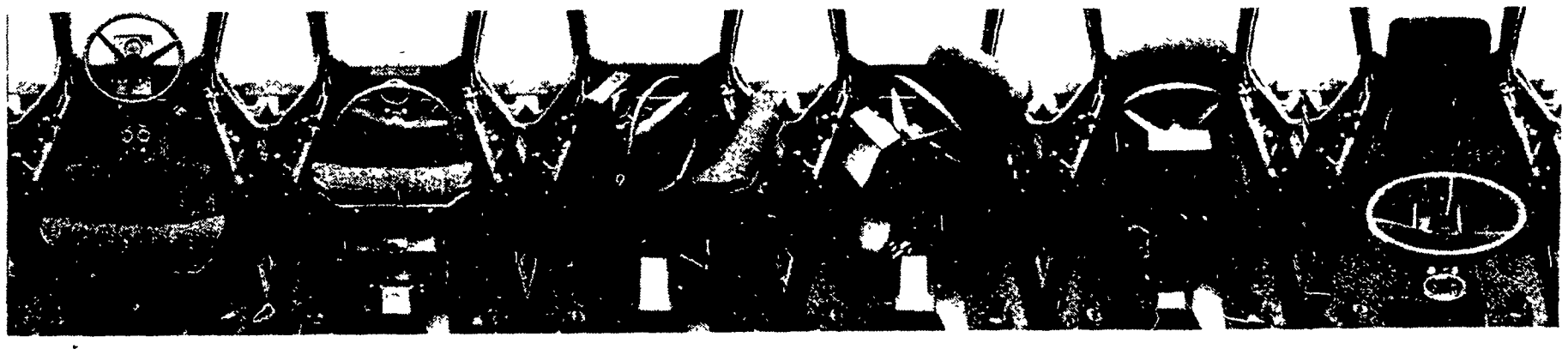

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Potato Day features cameras, computers & fighting Pringle's

BY DICK ANGLESTEIN

LANDISVILLE — The latest in potato research, ranging from using cameras and computers to help grow them to the latest in spraying fashions and progress in the fight against Pringle's, was featured at a field day in Lancaster County that continued from early morning to well after dark on Tuesday.

In addition to the overall emphasis on potatoes, the field day included some preliminary results on trials of double cropping corn and soybeans after barley. In general, the studies show that raising double crop corn for grain should be forgotten, for silage is a better bet, but soybeans bring the blackest bottom line as far as double cropping is concerned.

Lebanon County graduate student Mark Gronceski photographs potato plants as part of research being conducted at Penn State's Southeast Lab at Landisville.

Don Daum, Penn State extension ag engineer, explains rotary nozzle spraying equipment to one of the groups touring the Southeast Research Lab during Potato Field Day on Tuesday.

The Pennsylvania Potato Field Day was held at three different locations -- Penn State's Southeastern Field Research Lab and the county potato farms of Noah Kreider and Clair Graybill.

At the Southeastern Research Lab, 10 different research projects were outlined to participants. At each of the research plots, Penn State personnel explained the particular study that was being conducted.

In one of these studies, Lebanon County graduate student, Mark Gronceski, had a 35 mm. camera set up on a long tripod seven feet above some potato plants.

"I'm using both infra-red and color film to photograph these potato plants," Gronceski explained.

"This work is being coordinated with the remote sensing aerial infra-red photography which is now being done in York, Lancaster and Lebanon counties by the Pennsylvania Bureau of Plant Industry.

"We'll be comparing these photos taken seven feet off the ground with what is seen from the aircraft so that the aerial photography can be better interpreted."

Gronceski also is using regular color film in the study because it is more economical. The photographic studies can help detect insect damage, measure loss of plant leaf and trace plant damage by analyzing the color shadings in the plants.

While remote sensing of grain fields has been quite common from aircraft and satellites, this is believed to be the first such research involving potatoes.

The use of mini-computers was demonstrated for many on-farm purposes, including when spraying should be done for two potato problems -- late blight and the green peach aphid.

Art Hussey, of Agronomy Extension, demonstrated the computer systems, which cost about $2,000 and are now making their appearance in County Extension Offices. In addition to the blight forecast program, they could be utilized for various records keeping and other management purposes, such as involving the purchase or renting of additional land.

In a discussion of sprayer technology, Don Daum, Extension Ag Engineer, reviewed three types of sprayers, which were later demonstrated on the Kreider farm. They included the boom sprayer, the air blast and the new rotary nozzle.

(Turn to Page A19)

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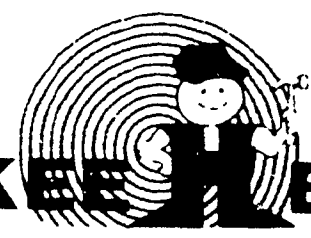

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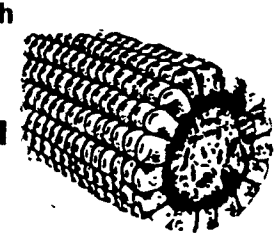

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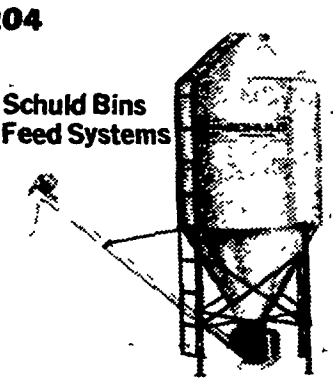

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Potato Day

(Continued from Page A18)

Daum also modeled the latest in spraying fashions – a lightweight, throw-away coverall that costs about $3 each.

"The rotary nozzle sprayer produces droplets of very uniform size through centrifugal force," Daum said.

"You can control the size of the droplet by the speed of the nozzle and spraying can be done at very low application rates. But we have found some short-term drift when there is a breeze."

The rotary nozzle sprayer thus far has been only used with a herbicide and continuing studies will be done to determine its role in an overall spraying program. Daum explained that vegetable oil is being used as a carrier in some hot, dry southern areas because in the application at low rates the limited amount of water being used was evaporating before the spray was reaching the plants.

Dave MacKenzie, of the Department of Plant Pathology, explained that Penn State is continuing to battle the Pringle-type products in the tennis ball cans with a breeding program that will provide better potatoes for the potato chip manufacturers.

"Our research is aimed at better varieties, improved harvesting to reduce bruising and storability at low temperatures down to 40 degree Fahrenheit," MacKenzie explained.

"We're getting some that are looking good at low temperature storage and should have a commercial variety coming along."

After the seed is grown at the isolated potato research farm at Black Moshannon, the advanced clones are brought to Landisville to be tested under the hotter and more humid conditions of southeastern Pennsylvania.

In the double cropping trials, Tim Lovell, of the Department of Agronomy, explained the study was just started last year.

"Our first-year findings so far don't recommend double-cropping corn for grain," he said.

While corn grain double-cropping generally showed a loss with yields only around the 40-bushel level, corn for silage was another story. No-till corn after barley cut for silage the day after the first killing frost showed yields of 12 tons to the acre and a net return of around $133.

But the top double crop was soybeans with a net return of $167 per acre. The corn silage showed the best results with an application of 75 lbs. of nitrogen and no extra N was needed for the beans.

To control the Colorado Potato Beetle, various insecticide spraying programs are being studied.

One of the most promising involves a split Temik application – 10 lbs. at planting and 10 lbs. applied on June 25.

"We're trying to improve and extend the use of Temik with the hope it will last through more of the season," said Zane Smilowitz, of the Department of Entomology.

Demonstration of the bruise test kit was conducted at the Kreider farm to determine harvesting damage. Following sprayer demonstration using fluorescent dye, the coverage and effectiveness of various sprayers was evaluated with the use of a portable black light after dark.

Pa. red meat down

HARRISBURG — Commercial red meat production in Pennsylvania from April through June totaled 212.7 million pounds, down 12 percent from the same quarter last year according to the Pennsylvania Crop Reporting Service.

Red meat production for the first half of the year was 429.9 million pounds, 13 percent less than during the same period in 1981.

Cattle slaughtered during April, May and June at 206,000 head, increased 14 percent from the second quarter of last year. Calf slaughter increased 42 percent to 65,700 head. Hog slaughter at 479,600 head dropped 38 percent during the second quarter of this year compared to last year. The number of sheep and lambs slaughtered totaled 46,200 head, up three percent from a year ago.

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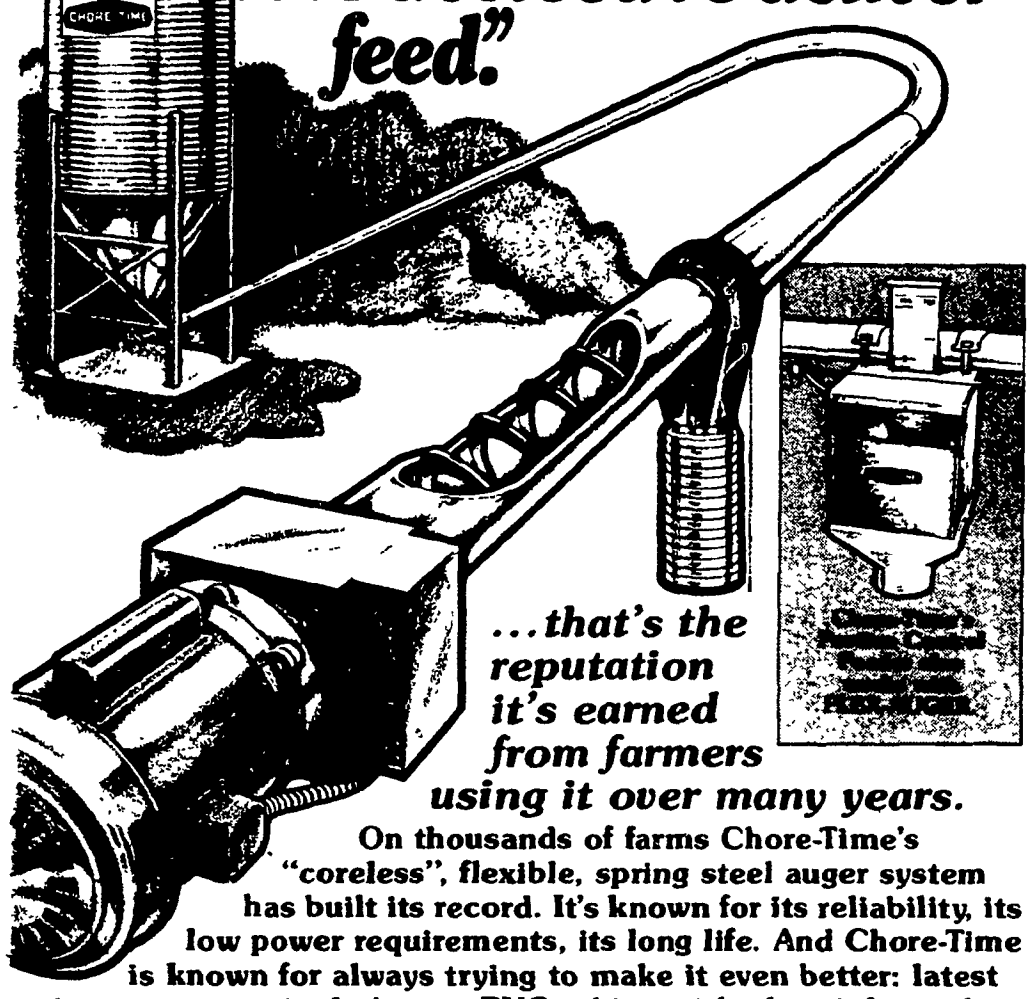

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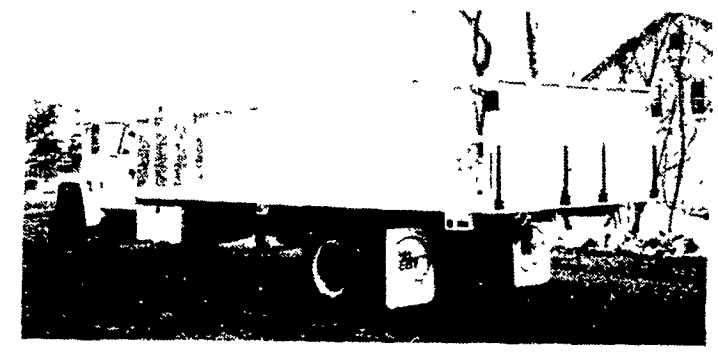

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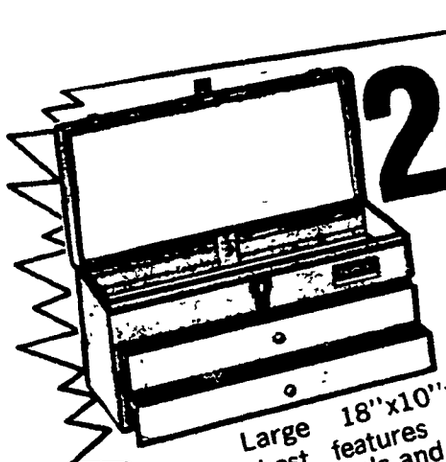

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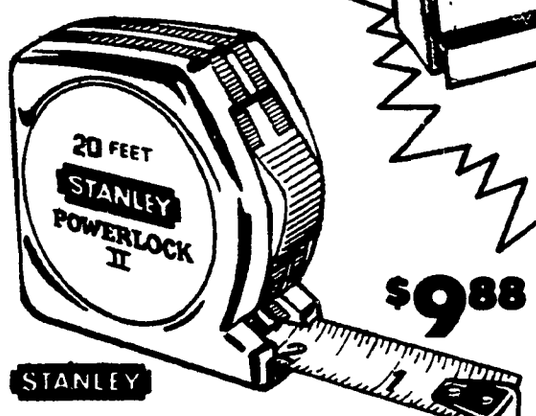

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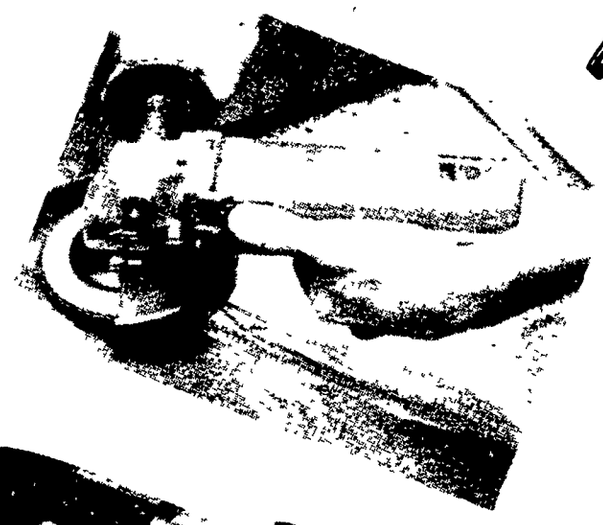

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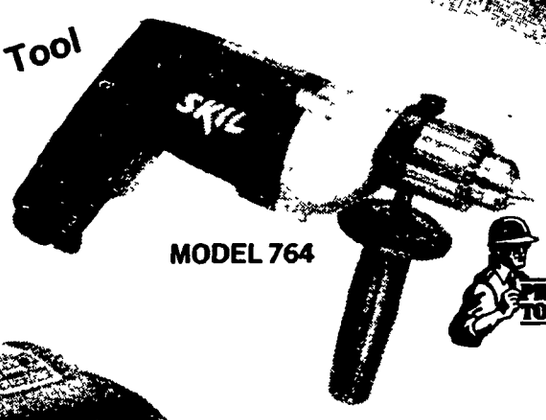

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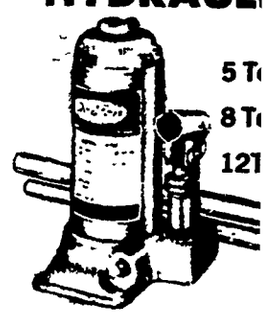

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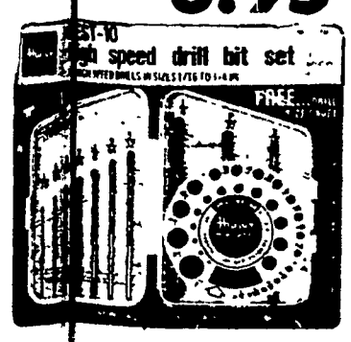

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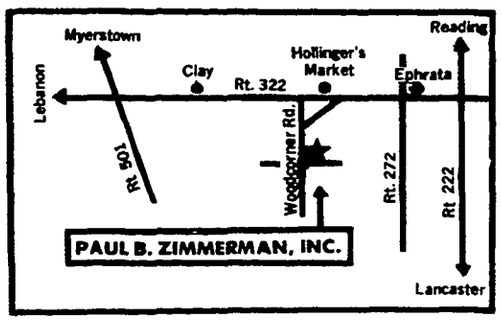

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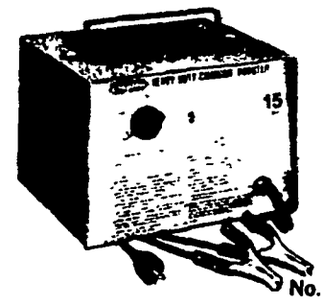

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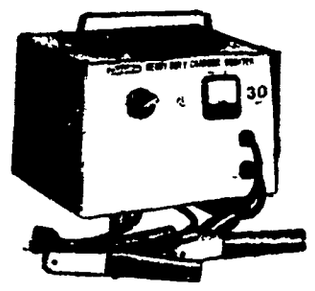

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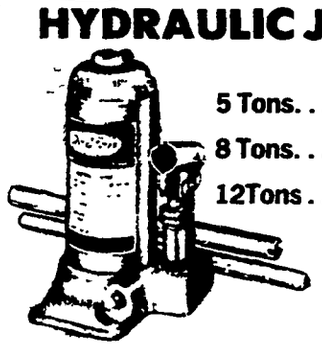

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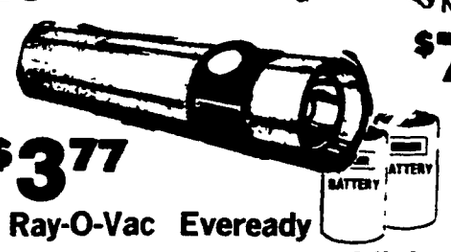

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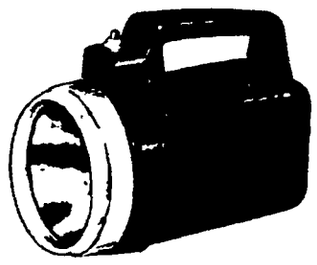

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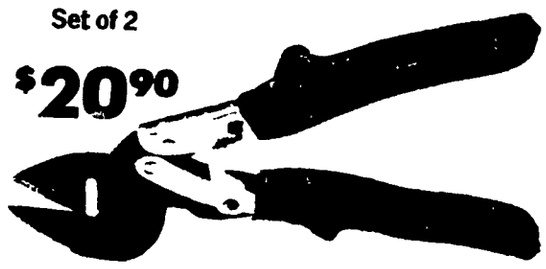

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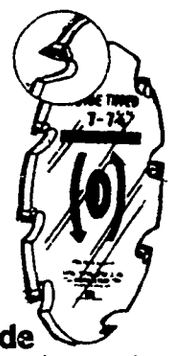

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Shippensburg tags colored breed champs

BY BETH HEMMINGER
Staff Correspondent

SHIPPENSBURG — Ayrshire, Jersey, Guernsey, Milking Shorthorn and Brown Swiss breeders gathered at the Shippensburg Fair Monday evening for the 25th Anniversary of the Colored-Breed Show.

In the Ayrshire breed, Pattie Ocker Creek reveled in distinction of winning triple awards. Pattie won Senior and Grand Champion with her aged cow Joyce. Then, she went on to claim the Reserve Senior and Reserve Grand Championships with the grand champion's daughter, Jennie. Both champions are homebred stock, raised and bred at the Ocker farm at Shippensburg.

Christine Young won the Grand Championship of the Milking Shorthorn breed, Senior Champion and 4-H Grand Champion. Ten-year-old Christine, a second-year 4-H member, proudly led junior 2-year-old Three Springs Farm P.J. Rena to the top honors.

This is Christine's second year to win top honors at the Shippensburg Fair in open and 4-H competition. She is the daughter of Mr. and Mrs. James H. Young of Three Springs Farm, Newville.

Capturing the top honors of the Brown Swiss show was Keith Grove of Franklin County. Keith's senior 2-year-old, Beauty, was just that, a "Beauty," on Monday evening as she captured the coveted titles of Senior and Grand Champion and 4-H Grand Champion.

In hours of stiff competition in the Jersey show, Mildred Seeds, Chester County, pulled her quality herd to the top of the list. Mildred claimed the open class Senior and Grand Champion honors with her prize Top-O-Hill 3-year-old. The selection of Reserve Champion found the Top-O-Hill prefix also claiming the slot.

A brother-sister duo took top honors in the 4-H Jersey competition. Capturing Grand Champion was Doug Martin with his 3-year-old. Doug's sister, Tina, received the Reserve 4-H Championship with her senior 2-year-old.

Doug and Tina are the children of Mr. and Mrs. Lester Martin of Chambersburg, Franklin County.

In the Guernsey breed, John Moore of Rockmoore Farms, Chambersburg, showed his aged dry cow to top honors. The Rockmoore cow captured the title of Senior and Grand Champion of the open Guernsey show.

Winner in the 4-H Guernsey show was Jeff Benedict with his 5-year-old who also captured the reserve title of the open show.

Dale Mummert, a happy Franklin County 4-H'er claimed the Reserve Guernsey 4-H championship title with his Junior 2-year-old.

Judging the evening show was Lee Yost, business manager of the Guernsey Breeders Association.

Show results follow:

AYSHIRE
Jr Heifer Calf
1 Lucille Ocker

Intermediate Calf
1 Lucille Ocker res jr champion. 2 John Ocker III

Sr. Yearling
1 John Ocker III, jr champion

Dry Cow 3&4
1 John Ocker III

Dry Cow 5 & Over
1 William Ocker

Jr 2-Year-old
1 William Ocker

Sr 2-Year-old
1 William Ocker

3-Year-old
1 Lucille Ocker 2 Pattie Ocker Creek

4-Year-old
1 Pattie Ocker Creek, res sr. and res grand champion

Aged Cow
1 Pattie Ocker Creek, sr and grand champion.

Brown Swiss
Jr. Heifer Calf
1 Keith Grove

Sr. Heifer Calf
1 Keith Grove. 2. Alan Meyers

Jr. Yearling
Ivan Meyers

Sr. Yearling
Ivan Meyers

Jr. Champion
Ivan Meyers

Res. Jr. Champion
Keith Grove

4-H Jr. Champion
Ivan Meyers.

4-H Res. Jr. Champion
Alan Meyers

Sr. 2-year-old
Keith Grove

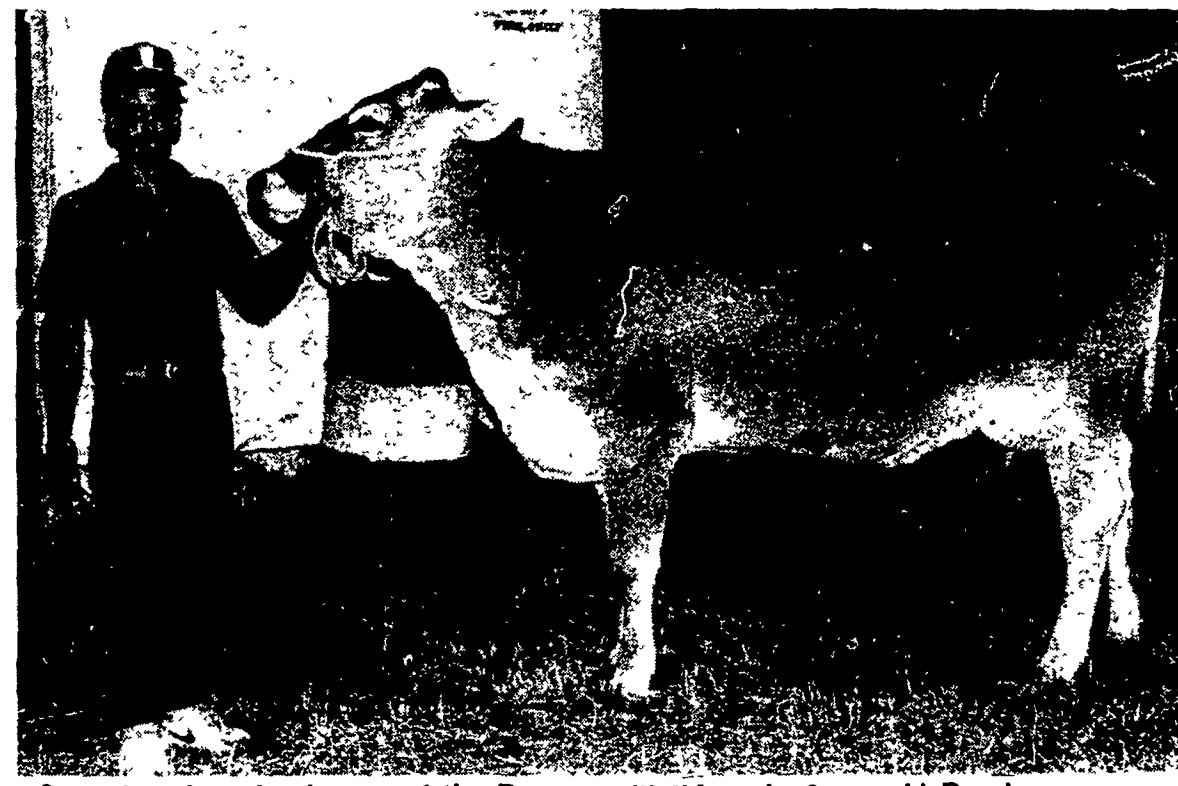
Sr Open Champion
Keith Grove

BROWN SWISS
Res. Sr. Champion
Ivan Meyers.

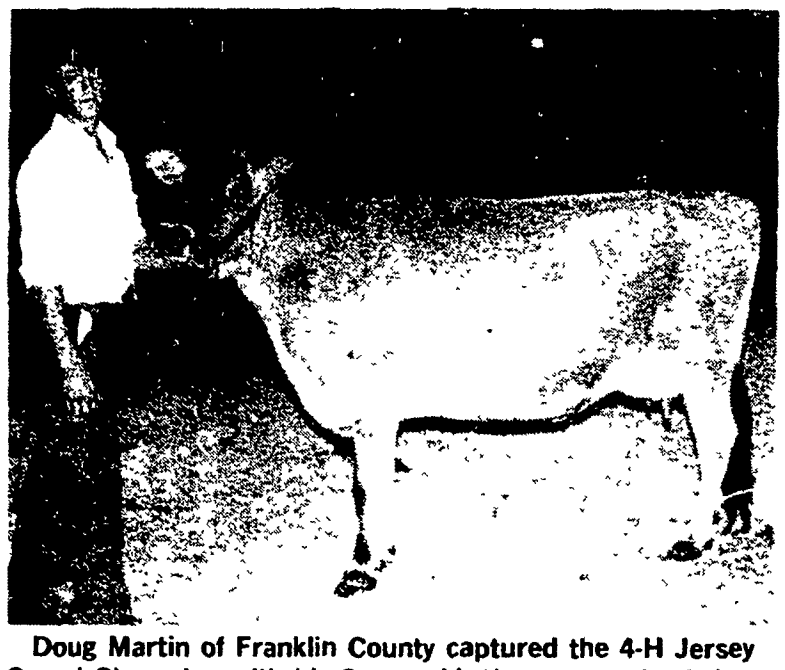
(Turn to Page A24)

In the Jersey breed, Mildred Seeds' Top-O-Hill Farm entries were victorious. Seeds was the winner of the Senior and Grand Champion titles with this 3-year-old.

Grand Champion Ayrshire winner Pattie Ocker Creek and husband Robert Creek stand with winning entries; grand champion Joyce, right, and reserve grand champion Jennie, left. This is a winning dam and daughter team, tagged by judge Lee Yost at Monday evening's Shippensburg Fair Colored Breed Show.



Capturing champion honors of the Brown Swiss show was Keith Grove, Chambersburg, with this senior 2-year-old, Beauty.



Doug Martin of Franklin County captured the 4-H Jersey Grand Champion with his 3-year-old, the same animal that later went on to claim top place in the Best Udder class of the Jersey show.

John Moore of Rockmoore Farms, Chambersburg, showed his aged dry cows to Senior and Grand Champion honors in the Guernsey Show.

Winners of the judging contest at the Pennsylvania Angus Field Day held at South Branch Farm are: from left, Shirley Stricker, Berks Co., Ladies' Division; Austin Rains, Mercer Co., Men's Division; and Diane Krause, Lehigh Co., Junior Division.

Pa. Angus Assn. holds field day

By Laurie Dobrosky

SEVEN VALLEYS — Trends in the beef cattle and Angus industry were the topics of the day during the Angus Field Day held last Saturday at South Branch Angus Farm in York County.

Pennsylvania Angus breeders came to learn about two of the newest trends in the cattle industry — new yield grades and embryo transfer.

Lester Burdette, Penn State animal science professor, discussed the new yield grades proposed for the beef cattle industry. Burdette reported the National Restaurant Association is against the proposed system, citing the lack of high quality steaks and consumer satisfaction. Discussing embryo transfers was Dr. Jim Evans of Genetics Unlimited in West Grove.

The field day began with a tour of the South Branch Farms herd, led by Bill Holloway manager of South Branch Farms. In his opening remarks, farm owner Robert Kinsley explained the farm is made up of 495 farmed acres. They raise corn, alfalfa, and orchard grass.

The beef herd is made up of 100 Registered Angus cows and two herd sires. They also feed out 250 to 300 steers in a feedlot.

Prior to the field day the Angus Association held a membership banquet at the Ramada Inn in York. Mick Colvin of the American Angus Association was the featured speaker. He discussed the certified Angus beef program in which beef is marketed through stores at a premium price and is labeled as Certified Angus Beef, guaranteeing at least partial Angus blood in the cattle.

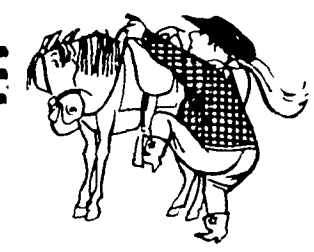
Also on the agenda were judging contests which included yearling heifers, weight-guessing, and cow-calf matching. There were two divisions: one for adults and one for juniors under 21 years of age.

Winners in the junior division included: 1. Diane Krause; 2. Joann Rishel; 3. Robin Shive; 4. Garth Sweigard; and 5. Eddie Champman.

Winners in the Women's division included: 1. Shirley Strickler; 2. Gabi Shearer; and 3. Joan Liesau.

Winners in the Men's division were: 1. Austin Rains; 2. Don Sunday; and 3. Fred Frey.

SADDLE UP!



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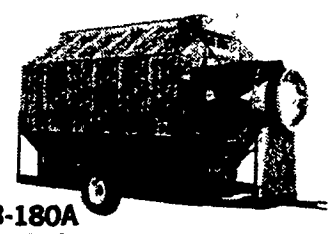
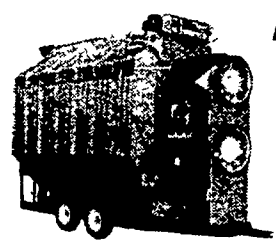

AB-180A
280 bph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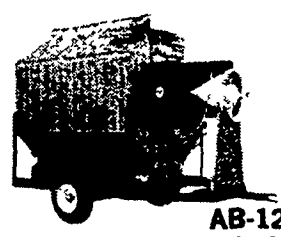
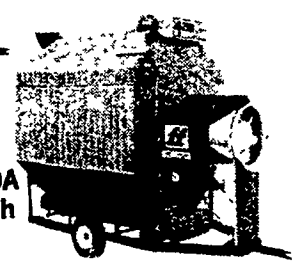
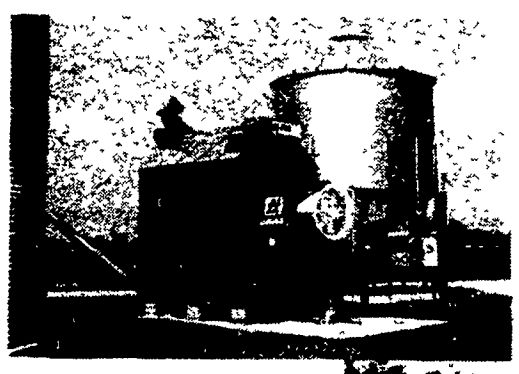
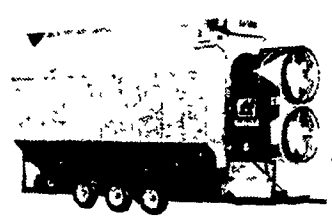
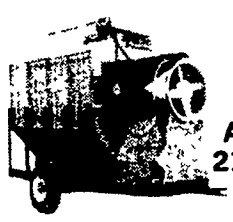
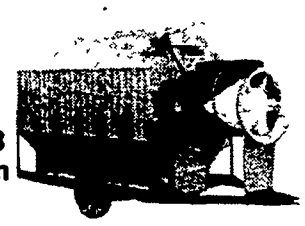

AB-120A
190 bph


AB-250A
375 bph




AB-500A
750 bph


AB-8B
210 bph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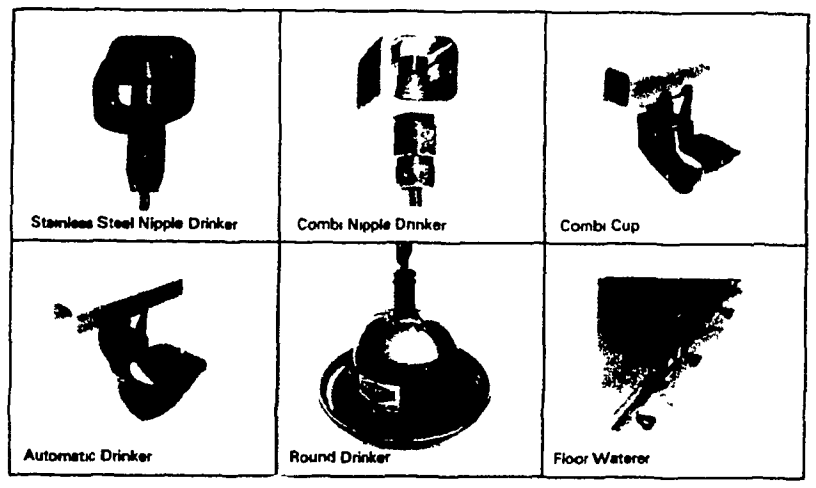

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Shippensburg champs

(Continued from Page A 22)

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Ivan Meyers
4 H Grand Champion
Keith Grove
4-H Res Grand Champion
Ivan Meyers

GUERNSEY
Jr Heifer Calf
1 Doug Mummert, 2 Rockmoore Farms 3 Karen Benedict
Intermediate Calf
1 Ruth Benedict 2 Jeff Benedict 3 Rockmoore Farm 4 Pete Engle
Jr Yearling
1 Kevin Benedict 2 Doug Mummert
Sr Yearling
1 Marion Benedict 2 Ruth Benedict 3 Rockmoore Farm 4 Krystal Benedict
Jr Champion
Marion Benedict
Res Jr Champion
Rockmoore Farm
4 H Jr Champion
Krystal Benedict
Res 4-H Jr Champion
Doug Mummert
Dry 3 & 4
1 Rockmoore Farm 2 Kevin Benedict 3 Jeff Benedict
Dry Aged
Rockmoore Farm
Jr 2-year-old
1 Dale Mummert 2 Jeff Benedict
Sr 2-year-old
1 Rockmoore Farm, 2 Pete Engle
3-year-old
Rockmoore Farm
4-year-old
Rockmoore
5-year-old
Jeff Benedict
6-year-old
Rockmoore
Senior Champion
Rockmoore Farm
Res Senior Champion
Jeff Benedict
Grand Champion
Rockmoore Farm
Res Grand Champion
Jeff Benedict
4-H Grand Champion
Jeff Benedict
4-H Res Grand Champion
Dale Mummert
FFA Grand Champion
Jeff Benedict
Best Udder
Rockmoore Farm
Best 3 Females
Rockmoore Farms
Dairy Herd
1 Rockmoore Farm, 2 Jeff Benedict
Produce of Dam
1 Rockmoore, 2 Jeff Benedict, 3 Jeff Benedict
Dam & Daughter
1 Rockmoore Farm, 2 Pete Engle

JERSEY
Jr Heifer Calf
1 Mildred Seeds 2 Ann Robinson 3 Denise Martin 4 Kevin Hearst
Sr Calf
1 Mildred Seeds 2 Mark Deaven 3 Tina Martin 4 Denise Martin
Jr Yearling
1 Mildred Seeds 2 David Robinson 3 Tina Martin 4 William Deitrich
Sr Yearling
1 Anna Uhlam 2 Bruce Heller 3 Brian Hearst
Jr Champion
Ann Uhlam
Res Jr Champion
Mildred Seeds
4-H Jr Champion
Anna Uhlam
4 H Res Jr Champion
Mark Deaven
Dry 3 & 4 Cow
1 Toffee Syndicate 2 David Robinson 3 Karla Martin 4 Mildred Seeds
Dry Aged Cows
1 Paul Gsell 2 David Robinson
Jr 2 year old
Denise Martin
Sr 2 year old
1 Mildred Seeds 2 Paul & Mary Gsell 3 Marilyn Deaven 4 Bruce Heller
3 year-old
1 Mildred Seeds 2 Doug Martin 3 Doug Martin 4 David Robinson
4-year-old
1 William Deitrich 2 Marilyn Deaven 3 William Deitrich
5-year-old
1 Lester Martin 2 William Dietrich 3 Clifton Brubaker
6-year-old
1 Mildred Seeds 2 Paul Gsell 3 William Deitrich
Sr Champion
Mildred Seeds
Res Sr Champion
Mildred Seeds
Grand Champion
Mildred Seeds
Res Grand Champion
Mildred Seeds
4-H Grand Champion
Doug Martin
4-H Res Grand Champion
Tina Martin
FFA Grand Champion
Mark Deaven
FFA Res Grand Champion
Marilyn Deaven
Best Udder
Doug Martin
SR. Get of Sire
1 Mildred Seeds 2 David Robinson 3 Lester Martin
Best 3 Females
1 Mildred Seeds 2 William Deitrich 3 David Robinson
Dairy Herd
1 Lester Martin 2 Mildred Seeds 3 Paul Gsell

(Turn to Page A25)

Senior Champion, Grand Champion and 4-H Grand Champion honors went to Christine Young, Newville, showing her Milking Shorthorn, Three Springs Farm P.J. Rena, a junior 2-year-old.

Earning the 4-H Grand Champion title in the Guernsey breed was Jeff Benedict. Jeff won the coveted title with his 5-year-old.

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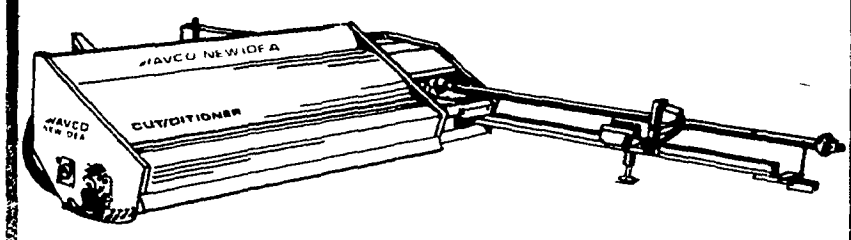

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Conservationists sponsor sludge symposium

COLLEGE PARK, Md. — Everyone helps produce it. But no one wants to claim it. Sludge — and what to do with it — is one of the most controversial issues of our times.

More and more, sludge handlers are looking to the nation's farmland as a receiving point for this byproduct of human consumption. But is it safe?

The Maryland Old Line Chapter of the Soil Conservation Society of America will sponsor a symposium, "Sludge — Its Use and Management on Agricultural Lands," on Thursday, Aug. 19, at the University of Maryland's Adult Education Center in College Park.

"There's been a lot of wasted effort on waste," says Robert L. Shields, chapter president. "The bottom line, when you're faced with sludge that is piling up higher and higher every day at our treatment plants, is to get rid of it. It's time that the scientific and political communities come to grips on its best and proper use."

Leading experts from the region have been tapped to present the latest scientific and technical information on the subject. They will discuss its long-term effect on human health and soil and water resources. Joining them will be people in charge of sludge disposal programs as well as representatives of the political sector, who will talk about some of the practical day-to-day considerations and public concerns they face.

Speakers represent Cornell University, Penn State, University of Maryland, U.S. Department of Agriculture, Environmental Protection Agency, Maryland Department of Health and Mental Hygiene, Army Corps of Engineers, National Park Service, Baltimore Department of Public Works, Howard County Department of Public Works, Washington Suburban Sanitary Commission, Maryland Extension Service, and Maryland House of Delegates.

There is a $15 fee. The deadline for registration is Aug. 5. For a registration form or more information, call 301/465-3180.

Shippensburg champs

(Continued from Page A.24)

Produce of Dam
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Daughter & Dam
1 Mildred Seeds 2 William Deitrich 3 Lester Martin, 4 Paul Gsell

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Jr Yearling
Three Springs Farm

Sr Yearling
Three Springs Farm

Jr Champion Female
James Young, Three Springs Farm

Res Jr Champion
James Young

4-H Jr Champion
Christine Young

Jr 2-year-old
1 Christine Young 2 Three Springs Farm

All cow classes
James Young

Sr Champion
Christine Young

Res Sr Champion
James Young

Grand Champion
Christine Young

Res Grand Champion
James Young

4-H Grand Champion
Christine Young

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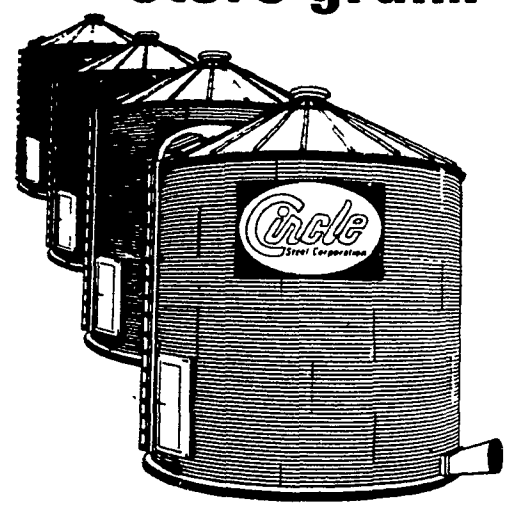

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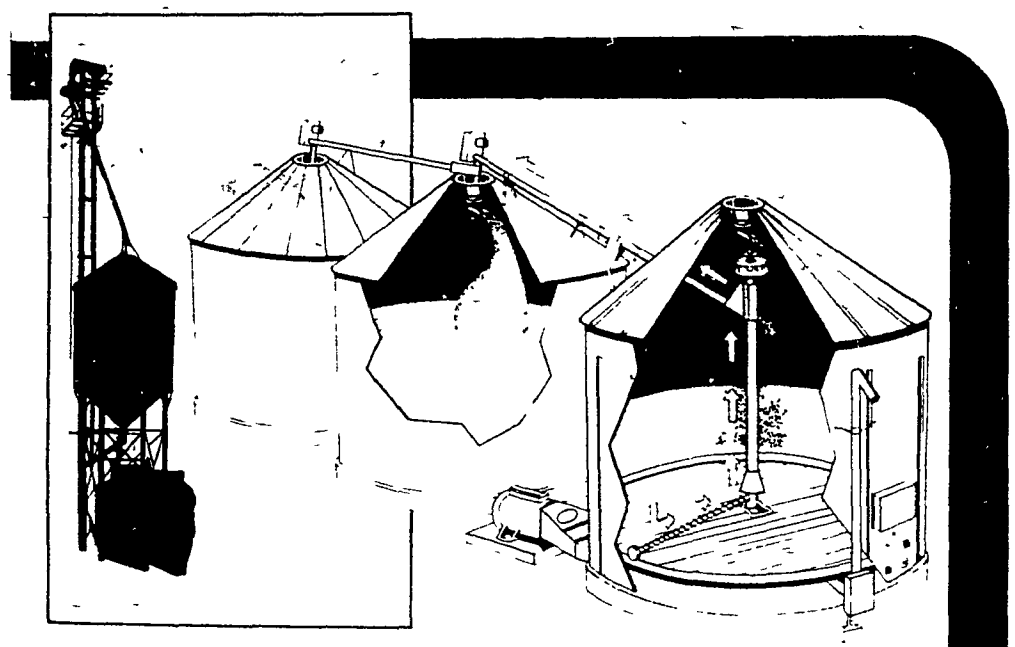

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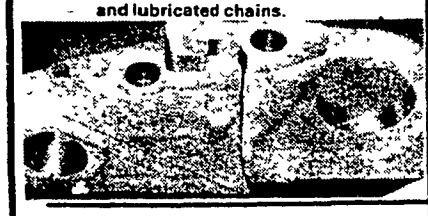

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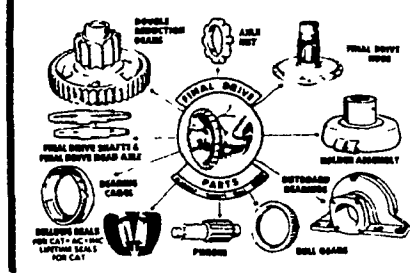

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Browncroft cow tops Sire Power Sale

By Martha Gehringer

KUTZTOWN — The highest-selling Holstein cow that paraded through the sale's ring during Wednesday's Twelfth Annual Sire Power Sale held here at the fairgrounds pushed this year's top bid $4,500 over last year's mark.

Browncroft Jetson Elsie, a four-year-old consignment of William and Janet Brown of Rome, Bradford County, brought $19,500 from a buyer representative for Odyssey Farm, New York. The top cow sold with a contract for service to Cal-Clark Board Chairman.

The second-highest selling cow was Y-Brookside Chairman. Another four-year-old, this cow sold to Boyd Brothers of Missouri for $15,000. She was consigned by Mark Yoder of Belleville, Mifflin County.

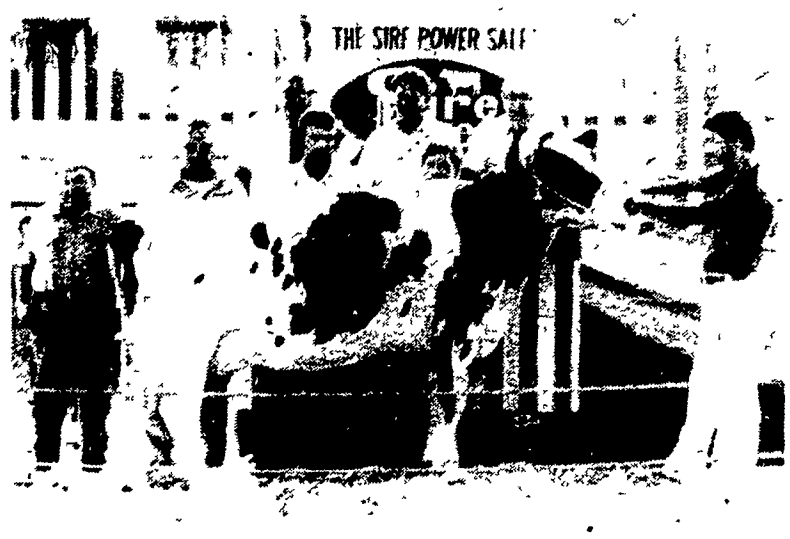
Arthur Rhoderick of Maryland consigned Art-Acres Jemini Tracie. This cow, carrying an embryo from Art-Acres Elevation Kay by Cal-Clark Board Chairman, was purchased by Owen E. Martin of Maryland for $8,700.

Other high-selling animals included: Sand-D-K Jet Stream Lucy, consigned by Stanley Dunn of West Virginia and purchased by Fort Prangol Faible Coy of New York for $5,200; El-Lyndo Jemini Phyllis, consigned by Ben Beiler of Cochranville, Chester County and purchased by Rothrock Golden Holstein Farms for $5,200; Ray-McKingpin RagApple Linda sold for $5,600; and Nordline Jemini Gaylene sold for $5,800.

The sale average on 97 head at this year's Sire Power Sale was $3,032. A total of 93 cows sold, along with 4 calves.

Buyers represented many areas of the U.S. including Georgia, Texas, Wisconsin, California, and Iowa.

The sale was managed jointly by Remsburg Sale Serive and R. Austin Backus Inc.



The second high-selling Holstein at Wednesday's Sire Power Sale was Y-Brookside Chairman. A representative bought her for Boyd Brothers of Missouri. She was consigned by Mark Yoder of Belleville, left, and sold for $15,000.

San-D-K Jet Stream Lucy was consigned by Stanley Dunn of West Virginia and sold to Fort Prangol Faible Coy of New York for $5,200.

At Northampton Black and White Show

Keystone Farm takes top honors

PLAINFIELD — The Northampton County Black and White Show was held last Thursday here at the fairgrounds.

More than 100 of the county's finest Holsteins paraded before judge Harvey Stoltzfus who tagged Upstream Fifty-Five Friendly, a six-year-old daughter of Wenron Fifty-Five Rockman as senior and grand champion. The show champion is homebred and owned by Upstream Farm, Easton.

For reserve senior and reserve grand champion, Stoltzfus selected Keystone Jet Stream Misty, a five-year-old Arlinda Jet Stream-Twin daughter. Misty is out of Keystone B E Margaret and is homebred and owned by Donald and Geraldine Seipt of Easton. The Seipts were awarded the premier breeder banner and shared the premier exhibitor honors with Upstream Farm.

Brian Ott of Bangor exhibited East-Wind Sexation Fanny, calved September 1981, to the junior championship. Fanny is the result of Brian combining the genetic traits of his cow Russellvale Astronaut Fancy with sire Ocean-View Sexation.

The reserve junior champion of the open show was Suzanne Weber's December 1980 entry, Harlene Altitude Gretchen. The yearling is a Whittier-Farms Altitude daughter out of Harlene Original Ginny.

Show results follow:

Junior Calf Class
1 Kevin McEwen Bangor 2 Dawn Hower Nazareth

Intermediate Calf Class
1 Randy Ott Bangor 2 Daniel Berghold Bath 3 Susan Fulmer Pen Argyl 4 Twin Gap Farm Mt Bethel 5 Jeff Brewer Bangor

Senior Calf Class
1 Brian Ott Bangor 2 Keystone Farm Easton 3 Scott Miller Bangor 4 Scott Miller Bangor 5 Jennifer Bush Bangor

Junior Yearling
1 Randy Ott Bangor 2 Mark Sandt Nazareth 3 Julianne Starke Easton 4 Pond Hollow Farm Bangor 5 Wendy Pysher, Bangor

Senior Yearling
1 Suzanne Weber Bethlehem 2 Keystone Farm Easton 3 Robert Miller Bangor 4 Susan Fulmer Pen Argyl 5 Michael Weber Bethlehem

Junior Champion
Brian Ott Bangor

Reserve Junior Champion
Suzanne Weber Bethlehem

Junior Two-Year Old
1 Twin Gap Farm Mt Bethel, 2 Leon & Rodney Brodt, Ackermanville 3 Pond Hollow Farm Bangor, 4 Gary Fehnel, Easton, 5 Fancy Furrow Farm, Easton

Senior Two-Year Old
1 Keystone Farm, Easton, 2 Susan Fulmer, Easton, 3 Cara Strohmeier, Easton, 4 Tonya Starke, Easton, 5 Fancy Furrow Farms, Easton

Three-Year Old
1 Keystone Farm, Easton, 2 Harold Fabian, Bethlehem 3 Michele Fulmer, Nazareth, 4 Tonya Starke, Easton, 5 Twin Gap Farm Mt Bethel

Four-Year Old
1 Keystone Farm Easton, 2 Mack Farms, Pen Agryl, 3 Twin Gap Farm Mt Bethel, 4 Elizabeth Strohmeier, Easton; 5 Pond Hollow Farm, Bangor

Aged Cow
1 Upstream Farm, Easton, 2 Keystone Farm, Easton, 3 Harold Fabian, Bethlehem, 4 Pond Hollow Farm, Bangor, 5 Mack Farms, Pen Agryl

Dry Cow - any age
1 Pond Hollow Farm, Bangor, 2 Mack Farms, Pen Agryl, 3 Twin Gap Farm, Mt Bethel, 4 Steven Mack, Pen Agryl.

Senior Champion
Upstream Farm, Easton.

Reserve Senior Champion
Keystone Senior Champion

Grand Champion
Upstream Farm, Easton

Reserve Grand Champion
Keytone Farm, Easton

Brian Ott, Junior Champion of the Northampton County Black and White Show, stands with his winning Holstein. With him is, from left, Alternate Dairy Princess Carole Letson; Reserve Junior Champion Suzanne Weber; and Judge Harvey Stoltzfus.

Sharing the title of Premier Exhibitor at the Northampton Black and White Show last Thursday, were Donald Seipt of Keystone Farm, left, and Tim Merwarth of Upstream Farm holding the Grand Champion. With them is Dawn Hower, the Northampton-Lehigh Dairy Princess and Harvey Stoltzfus, judge. Sepit was also Premier Breeder.

To keep pigs growing, be a week and weight watcher

NEWARK, Del. — Growth depression is likely to occur at certain stages of swine development. But unless producers weigh their pigs frequently, these lags may pass practically unnoticed, says University of Delaware Extension livestock specialist Richard Fowler.

One of the most common slow-up periods occurs right after weaning. Pigs nursing their dams usually grow quite well during their third and fourth weeks.

But the three-week-old pig is at a critical stage of development, Fowler says. This is when the immunity acquired from its mother's colostrum is low. Though the pig is starting to build its own immunity, any stress at this time usually causes slowdown or other problems.

"Avoid doing anything to the pig during this period," advises the specialist. "If your program calls for weaning at three weeks, remove the sow from the farrowing area but keep the litter in the crate for another day or two." Pigs should have access to a temperature of 85 F and should be kept draft free.

When the litter is moved to a clean, dry weaning pen, pigs should continue to receive the same diet fed in the farrowing crate. The ration should contain 18 percent protein and be well fortified with vitamins and minerals. Milk product and sugar will encourage feed consumption.

At four weeks, a pig is more mature physiologically and usually undergoes fewer setbacks when weaned. But a warm, dry environment is still critical.

A water medication is often useful in reducing weaning stress. Allow pigs to drink fresh water for a day to acquaint them with the waterers. Then add the medication. A soluble antibiotic with an electrolyte is beneficial, the specialist says. Three days is usually sufficient for a water medication program.

Deworming and spraying for external parasites can be done 10 days or two weeks for weaning if pigs are doing well. Don't administer both treatments at the same time, however.

To keep them growing well, observe pigs for signs of disease. Coughing and sneezing may indicate a problem. An atrophic rhinitis-infected pig costs $16 ot $18 more to finish than a healthy one. Cull affected animals and sell them for slaughter.

Coughing often indicates pneumonia. If the problem is bad, determine what kind of pneumonia exists by sacrificing a pig and having it examined by a veterinarian. Then treat according to the diagnosis.

Newly purchased feeder pigs also undergo a lag period. "Know your seller and the program used to produce the animals," Fowler advises.

Pigs should have been vaccinated for erysipelas and should be free of rhinitis or vaccinated for it. Some rhinitis vaccines contain Pasteurella, an organism involved with one type of pneumonia. The seller should also have treated his pigs once for external and internal parasites. Find out what products were used and when.

Once the pigs are on your farm, group 20 to 25 animals per pen and provide them with 12 to 24 hours of fresh water followed by medication for three to five days. Five days of a high-fiber, low-protein diet also helps get them started.

Close observation and prompt treatment of problems will help reduce lag time and keep pigs growing, Fowler says.

PFU reviews dairy proposals with farmers

EDINBORO — Dairyproducers in northwestern Pennsylvania gathered for two informational meetings sponsored by the Pennsylvania Farmers Union, aimed at educating farmers to the proposed base plans pending in Congress.

Over 50 farmers from Butler and Lawrence counties met last Thurs. on the farm of Steve Lesney in Mt. Chestnut to discuss the Dairy Products Stabilization Act, sponsored by Minnesota Congressman James Oberstar. The legislation was drafted from recommendations from the National Farmers Union Dairy Task Force.

Robert Mullins, director of Legislative Services from the Washington office of the National Farmers Union told those attending that the Oberstar plan was the "best plan available becuase it would address the problem of overpopulation almost immediately."

"The Oberstar Plan would save the federal treasury almost $1 billion a year, and still provide farmers with a reasonable profit for the milk they produce," Mullins said. The proposal guarantees farmers a minimum of 75 percent of parity for all milk produced within their production goal, which is designated each year by the U.S. Secretary of Agriculture.

The proposal calls for a five percent marketing assessments against any dairy farmer that produces in excess of their production goal. An additional ten percent marketing penalty would be assessed if a dairy farmer produced in excess of his base.

A second meeting was conducted Friday at the Edinboro Borough Hall, which was sponsored by the Erie-Warren Farmers Union. Mullins revealed that a compromise was in the works between all sponsors of different base plans to come to some form of agreement, so the dairy industry could present a united front.

Farmers Union will continue to sponsor meetings in Pennsylvania to inform dairymen of the proposals in Congress. The family farm organization is planning bus trips to Washington to lobby for support of the base plan proposals, later in the year.

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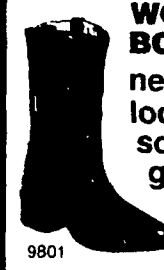

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Farmers Union asks Block for aggressive action

HARRISBURG — National Farmers Union President George Stone urged Agriculture Secretary John Block to fulfill a Congressional mandate directing the U.S. Department of Agriculture to reduce inventories of surplus dairy products stored in government warehouses by selling the stocks at world market prices.

In a letter to Block, Stone commended the secretary for implementing programs aimed at distributing cheese, butter and nonfat dry milk to some of the nations needy

But the hea of the Denver-based general farm organization chided Block for not following Congress' instructions to utilize all authorities available to the secretary, "including exportation of dairy products at not less than prevailing world market prices," as a way of reducing the government's dairy holdings.

Stone's action, which came in Washington, "will hopefully provide the necessary impetus to get some action out of USDA," James Brown, president of the Pennsylvania Farmers Union stated.

"Dairy farmers are at a loss to understand why the secretary would repeatedly reject serious offers from private exporters interested in purchasing large quantities of government stocks for export." Brown said.

"It's puzzling. We're offering very constructive measures to reduce the nation's surplus through a supply management approach and USDA responds by sitting on the stocks. Apparently the secretary feels that as long as those stocks remain in government warehouses, he can keep complaining about the cost of the program.

PFU's political action committee endorses Ertel

HARRISBURG — The political action committee of the Pennsylvania Farmers Union announced Tuesday its endorsement of Congressman Allen Ertel in the gubernatorial race over incumbent Republican Governor Richard Thornburgh.

Pa. FarmPAC, the family farm organization's political action committee met with each candidate on July 23, and discussed issues critical to the survival of the family farm, and policy statements of the organization.

In a statement presented at a news conference here in the Capital Building, M. James Brown, Pennsylvania FarmPAC state chairman, and Carl L. Kaufman, treasurer, said three key issues weighed strongly in Allen Ertel's favor.

"Allen Ertel has personal knowledge of the problems facing the family farm. His first-hand farm experience, coupled with six years in Congress will give Pennsylvania's agricultural policy some direction," said Brown who serves as state president of Farmers Union.

"The next governor of this state must be willing to communicate with the state's Congressional delegation so that the Commonwealth's voice is heard on pricing and policy decisions critical to the survival of Pennsylvania's family farm. Allen Ertel has shown farm leadership in Washington, and will do the same in Harrisburg," Brown stated.

Ertel voiced his opposition to cooperative bloc voting in state commodity referendums, a stand the Thornburgh Administration has supported. During the recent milk promotion referendum conducted by the Pa. Department of Agriculture, dairy cooperatives had the authority to vote for all of its cooperative members who failed to vote in the referendum. Ertel said he feels this practice is undemocratic, and would support amendments to the Pennsylvania 1968 Agricultural Commodities Marketing Act to repeal bloc-voting.

Ertel's plans for the revitalization of Pennsylvania's sagging economy through offering low-interest loans for small businesses and beginning farmers is another measure supported by the Pennsylvania Farmers Union.

"Pennsylvania's top industry is agriculture. Allen Ertel has shown us that he has high regard for the state's top industry, and will do everything in his power to protect it. The Pa. FarmPAC feels this dedication cannot go unrewarded, so we proudly endorse Allen Ertel as the next governor of the Commonwealth of Pennsylvania," Kaufman concluded.

Buildings for small farms

UNIVERSITY PARK — No matter what size your farming operation is, careful planning of new buildings will pay off.

"Buildings for Small farms," NRAES-6, is written for someone who needs a barn for a few animals or to store lawn and garden equipment or small farm machinery.

"Regardless of what size your barn is, you should think about site selection and planning, first," says Robert E. Graves, Penn State Extension agricultural engineer. "What am I going to house in the barn — animals or machinery? how many and what kind? Should the barn be near the garden or near the road?"

Be sure to consider drainage. You don't want your favorite horse or flock of sheep standing in a puddle every time it rains, advises Graves. Also, be sure to plan for manure storage and handling. Don't plan a manure pile where the odors will bother your house or your neighbors, and don't let it run into the stream.

Ideas for all of the above points, along with plans for small barns and ideas on remodeling existing barns, can be found in this 32-page handbook. The cost is $1.25 from your Penn State county Extension office or write to NRAES, 204 Agricultural Engineering Building, University Park, PA 16802. Please make check payable to The Pennsylvania State University.

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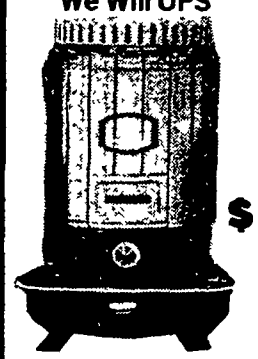

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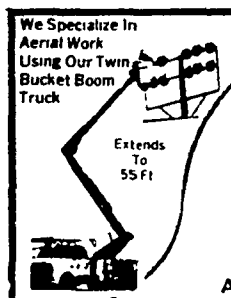

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Brockett's Ag Advice

By John E. Brockett
Farm Management Agent
Lewistown Extension Office

Management Goals

In last week's column I discussed an article appearing in Hoards Dairyman. In that same issue there was a summary of a program being undertaken by the dairy industry of Virginia. Its basic philosophy was great. They listed production goals, economic guides, and quality milk goals.

Something like that may be a good starter. I would like to build on their program and offer you some goals.

Production Goals

Increase your production per unit by 10 percent with a reduction in cost per unit of 10 percent.

Use a DHI testing program, forage testing program, and soil testing program.

Economic Goals

Aim for a total of cash operating expenses plus debt service of less than 90 percent income.

Aim for outstanding bills (accounts payable) owed to supply and service people of less than 45 days duration.

Make all money borrowed for more than one year purchase necessary and profit making capital items.

Dairy producers aim for a feed conversion of $200 livestock return for each $100 worth of feed fed (including a value for home raised feed).

Swine producers aim for a feed conversion of 4 pounds or less of feed per pound of pork.

Crop producers aim for a cost of less than $2.40 per bushel of corn on a yield of no less than 100 bushels per acre.

Promote your product by farmstead appearance, advertising, marketing a quality product, encouraging the use of your product to produce new and innovative items that appeal to consumers. Farmers should learn what the consumer wants then gear their promotion to that "want".

Dairy farmers produce top quality (minimum 16 percent crude protein) forage.

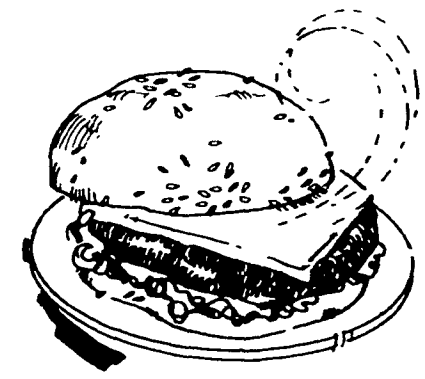
Quality Product Goals

Producers:

Somatic cell counts under 300,000. (In Pennsylvania we have a somatic cell count program coupled with DHIA - you can get a count on each cow).

It's not smart to try to ship milk with antibiotics, off flavors or any other abnormalities. The only one you hurt in the end is yourself.

If you are going to beat imitation dairy products you will have to provide and promote quality. All the government programs in the world can't do it for you — remember oleo.



CHEESE ON BURGERS
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Japanese beetles bug airports

WASHINGTON, D.C. — Five airports in Delaware, New Jersey, Ohio and Maryland are being required to use mechanical or chemical means to prevent departing planes from carrying Japanese beetles to uninfested areas, an official of the U.S. Department of Agriculture has announced.

This will continue during the next several weeks when beetle numbers are heavy, said Gary Moorehead, an official of USDA's Animal and Plant Health Inspection Service.

The five airports are Dover Air Force Base, Del.; McGuire Air Force Base, N.J.; Port Columbus International Airport, Columbus, Ohio; Rickenbacker Air Force Base, Columbus, Ohio; and Baltimore Washington-International Airport, Baltimore, Md.

"Beetle numbers have become so high we've had to impose regulations so departing planes won't carry beetles to uninfested areas," said Moorehead.

When an airport is regulated, Moorehead said, airlines must use mechanical or chemical means to keep the beetles off aircraft. Mechanical beetle barriers include sealed entryways to airplanes and screened service entrances for airplane galleys. Properly used mechanical barriers are an excellent non-chemical alternative for beetle exclusion, Moorehead said.

Moorehead said more airports may have to be regulated in the next several weeks because of heavy Japanese beetle emergence in the eastern United States.

"USDA plant protection and quarantine officers monitor buildup of adult beetle populations at airports," he said. "When we find beetles flying around aircraft, airlines treat vegetation in those ramp areas to kill the beetles. If this doesn't reduce numbers, the officers regulate the airport."

The precautions are to keep the beetles from being transported to uninfested western states and foreign countries, Moorehead said. Beetles are attracted to large metal objects. They climb through openings in parked aircraft or are loaded with the cargo, he said.

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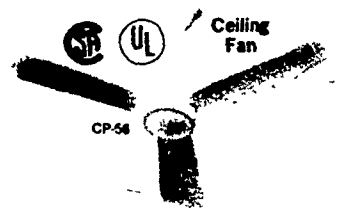

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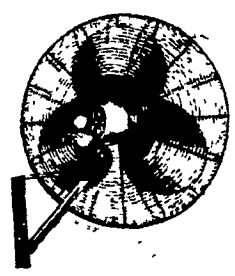

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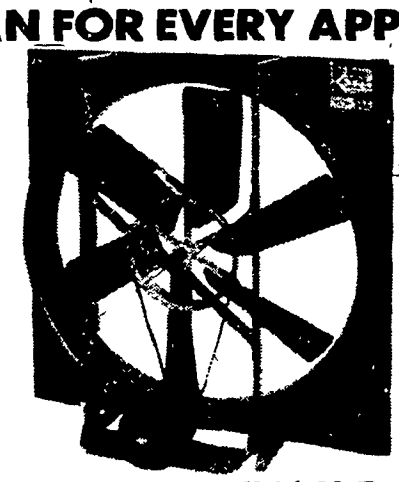

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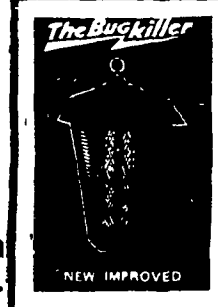

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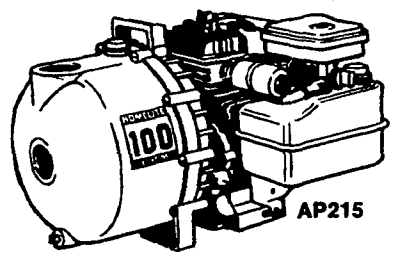

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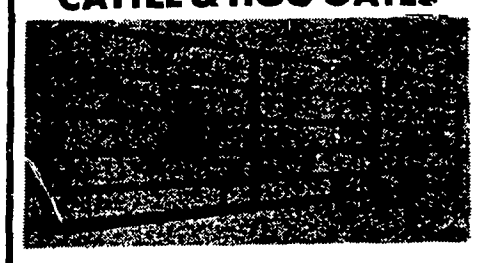

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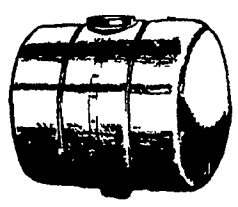

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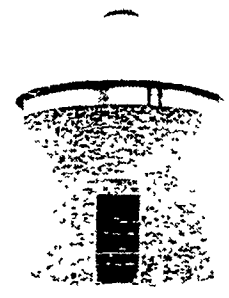

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Field days in the news

Lancaster Holstein breeders climb to top

BY DONNA TOMMELLEO

WASHINGTON BORO — More than 300 Lancaster County Holstein breeders experienced life at the top, Thursday, during their annual field day at Star Rock Farms.

First, they were told that 1982 was a banner year for membership and now the Garden Spot Club boasts more members than any other black and white club in the nation.

Next, they were informed that their hosts, John and Abe Barley operate the largest registered Holstein herd in the state.

And all this took place in the largest non-irrigated agricultural county in the country.

So, for a day of enjoyment and in this case a day of celebration, the breeders turned out to test their judging skills, meet with friends and absorb more useful information about their progressive industry.

Larry Muller, dairy science professor at Penn State was the keynote speaker of the day. Muller, who specializes in dairy nutrition, told the group that successful feeding is a combination of science and art.

"Everyone has cows with the potential to produce more than 20,000 pounds," Muller said. "But to reach that mark, you have to do many things correct."

Muller explained that good feed, feed analysis and feeding systems, when working in correct balance are the key to a successful nutritional program.

Two of the biggest changes affecting dairy rations, said Muller, are the adaptions of high moisture corn and haylage.

With haylage, farmers can expect to minimize field and storage loss and the crop has the potential advantage to contribute more protein and energy to the ration.

"The more you have, the less you have to buy," said Muller.

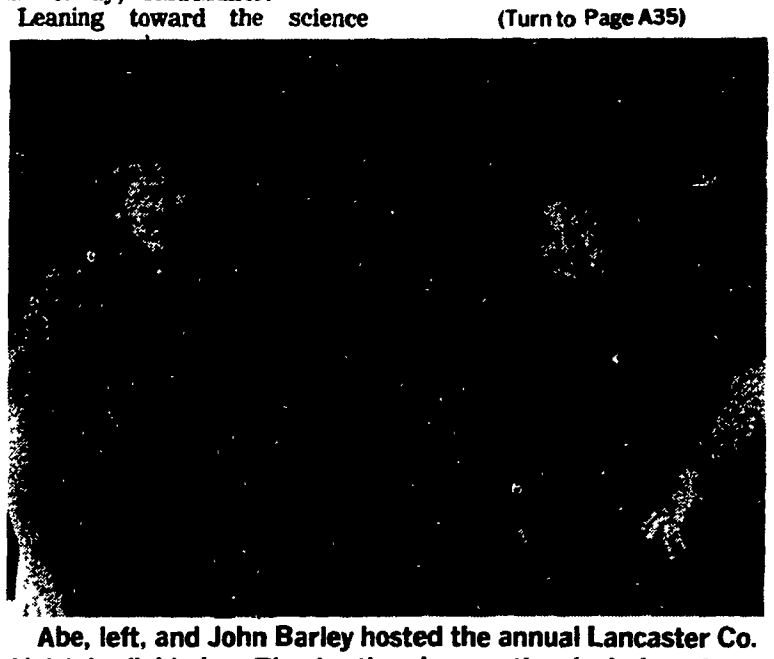
Leaning toward the science contribution, Muller stressed the importance of feedstuff analysis.

"I feel pretty confident that most herds can increase their average 1,000 to 2,000 pounds by analyzing feedstuffs and balancing rations," he noted.

However, an optimal harvest and the correct balance must be complemented by a feeding system that distributes the correct portion of the balanced ration to all cows.

"That's the case of we know

(Turn to Page A35)



Abe, left, and John Barley hosted the annual Lancaster Co. Holstein field day. The brothers' operation includes about 500 head of mature cows, most of which are registered and qualifies as the largest registered Holstein herd in the state.

Nathan Stoltzfus, left and Elam Bollinger placed second and third respectively in the men's division. Bob Peiffer, who topped the men's and overall judging contest was absent from photo.

Besting the women's competition at the Lancaster Co. Holstein field day are from left to right: Pauline Garber, first; Mim Kauffman, second; Mildred Groff, third.

Youth division judging winners for Lancaster are from left to right: Jim Bollinger, first; Matt Welk, second and Todd Denlinger, third.

Dauphin Co. 4-H'ers challenge breeders

HERSHEY — In what stomach does hardware settle in a cow? What percent of total solids is permitted in milk? Who classifies herds?

These and several other dairy-related questions cut through the cool summer air, Thursday night, as members of Dauphin County's 4-H dairy bowl team got a little extra practice during the county's Holstein field day.

For a short time, Frank and Ginny Graybill's farm resembled a few lightning rounds of Jeopardy. Red and green lights buzzed as 4-H'ers pitted their know-how against area breeders.

The dairy bowl team, under the direction of Bruce Kreider, county agent, demonstrated for field day visitors the workings of a dairy bowl competition. Thursday's demonstration served as a dry run for the Dauphin County youngsters who will compete in next week's 4-H State Days at Penn State.

The field day also featured a two-class judging contest. Men, women and children had a chance to evaluate a class of first-calf heifers and a class of 3-year-olds.

Winning proved to be a family affair for a few people. Anne Kopp of Middletown came in first in the ladies division while her daughter Jayanna placed second in youth.

Elizabethtown youth Ed Huntzberger placed first in the youth division. Jim Batz of Middletown topped the men's competition followed by Ray Kennedy also of Middletown. Placing second in the ladies class was Eleanor Oellig of Hummelstown.

The breeders had a chance to tour the Graybill facilities which included a 2-year-old 109-cow freestall barn with a drive-thru feeding system, a double-six herringbone parlor and a gravity flow manure system.

Two close classes of Holsteins didn't baffle this group during the Dauphin Co. field day. Spearing wins in the judging competition are: first row, Jayanna Kopp, second place youth; second row, l to r, Eleanor Oellig, second place women: Anne Kopp, first place women; Jim Betz, first place men; third row, l to r; Ray Kennedy, second place men; Ed Huntzberger, first place youth.

Block calls for comments on rural development

WASHINGTON, D.C. — On Wednesday, Secretary of Agriculture John R. Block invited rural citizens across the country to participate in developing recommendations for rural development policies and strategies.

Block will be assisted in this process by the National Advisory Council on Rural Development, which was established to advise the secretary on rural development policy. The Department of Agriculture's Office of Rural Development Policy is assembling the recommendations for a rural development strategy report the secretary will submit to the Congress.

In inviting public recommendations Block said consultation with rural residents and local and state officials concerned with rural affairs is crucial for successful policy development. He said the Reagan Administration is committed to the principle that local people have the best idea of the real needs in the community.

"Since they will have a major role in carrying out development policies and strategies, they should be given every opportunity to contribute their views and recommendations to the policy process," he said.

The secretary also pointed out that Congress recognized the importance of this public consultation in the Rural Development Policy Act of 1980. The act calls for the secretary to submit to Congress a comprehensive rural development strategy that is based on the needs, objectives, and recommendations of the states and localities. The first strategy report will be submitted to the Congress in January and then will be updated annually. The law requires that each update report on implementation during the preceding year.

"This ensures," said Block, "that our strategy report will not just be rhetoric. We are going to formulate a practical strategy that we can implement, and each year we will hope to accomplish certain critical objectives."

For the first strategy the secretary said he is looking for recommendations for changes in regulations, programs, policies, and legislation and any other actions to strengthen rural development efforts by all levels of government and by the private sector. He stressed the need for recommendations and examples of successful alternative approaches to rural development in this time of necessarily limited federal funding of local development programs.

The secretary said he is particularly interested in recommendations on six specific objectives that are important to most rural areas. These are:

— Strengthening the role of state and local governments in rural development;

—Finding new ways to finance rural development;

— Increasing private sector involvement in rural development;

— Streamlining federal regulations, program procedures, and paperwork requirements that affect rural development;

— Finding new opportunities for voluntarism in rural development; and

— Improving public and private sector rural leaders' access to needed rural development knowledge and expertise.

The secretary also invited rural people's views on what they believe are the most critical new or emerging rural issues.

Block said his invitation to participate in rural policy and strategy development applies to everyone from the nation's governors and other state and local officials to the heads of public and private interest groups and individual rural citizens across the country. In addition, he is inviting the Cabinet to make recommendations for the strategy, especially on ways to make federal programs more responsive to rural areas and ways to help federal program users find alternative assistance sources.

The Department of Agriculture also is holding roundtable discussions and informal hearings at national-level meetings of rural interest groups to invite information for the policy process.

To be included in the first strategy process, views and recommendations should be sent by Sept. 1 to the Office of Rural Development Policy, U.S. Department of Agriculture, Washington, D.C. 20250.

USDA and NASA join forces

BELTSVILLE, Md., — An exhibit that shows how remote sensing from space helps agriculture will be displayed at the U.S. Department of Agriculture's National Agricultural Library here.

Opening ceremonies for the exhibit, presented in cooperation with the Lyndon B. Johnson Space Center in Houston, will start at 3 p.m. July 23. Thereafter, it will be open to the public from 8 a.m. to 4:30 p.m. daily except weekends through Aug. 27.

Designers built the exhibit around "AgRISTARS" (Agriculture and Resources Inventory Surveys Through Aerospace Remote Sensing), a joint effort of the USDA, the National Aeronautics and Space Administration, the National Oceanic and Atmospheric Administration of the U.S. Department of Commerce and the U.S. Department of Interior.

The Agency for International Development is participating as an observer and a potential user in the future.

Purpose of the program is to test the usefulness and cost of aerospace remote sensing data and the extent to which it can be integrated into existing or future USDA systems.

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DHIA recognizes supervisors' outstanding service

BY PATTY GROSS
Staff Correspondent

STATE COLLEGE — It was an award-filled weekend at the 57th annual Dairy Herd Improvement Association Supervisor's State Conference. The two-day conference last Friday and Saturday found more than 350 people attending the annual event at Penn State.

At Friday evening's banquet, special recognition was given to Donald Hindman of Lackawanna County for his 50 years of dedicated service as a DHIA supervisor. Hindman was presented an engraved plaque along with a clock radio.

Clarence Hall of Westmoreland County, unable to attend, was credited for 30 years of service.

A number of individuals were presented plaques, certificates and gold watches during the evening. Recognized for 25 years of DHIA work were Franklin County's Floyd Myers, Dean Cheek of Chester County, James Benfield from Montgomery County, and Dean Grimes from Bedford County.

Twenty year service awards were given to Gerald Pratt and Kay Showers.

Five supervisors have put in 15 years each. Honored during the awards presentation were: Romeyn Allis, William Meyers, Louis Vance, Blair Way and Glynn Corey.

Alan Narehood and David Miller received 10 year awards.

Five year certificates were presented to the following: Donald Messinger, Lee Walls, Jean Barnhill, Mike Beaver, Gary Davies, Richard Bigelow, Joseph

(Turn to Page A33)

The largest group to receive 1982 Merit Awards during the DHIA conference was from Lancaster County: pictured above from left are: J. Wilbur Houser, Harold Lindecamp, Harold Probst, Lee Landis, and Tom Garrett. Pictured below from left are: Jay Mylin, Patti Johnson, Jay Risser, Floyd Zook, and Moses Martin. Missing from the picture are Harold Brenneman and Dwight Houser.

DHIA supervisors from Bedford County received 1982 Merit Awards for doing a better-than-average job: back row from left, Steward Rosengrant, Gerald Pratt, and Brent Skinner; front row, left, Bonnie Beals and Barbara Gary.

Fieldman John Kline, right, presents awards to Supervisor Donald Hindman of Lackawanna County as wife Mary looks on. Hindman was honored for 50 years of service as a DHIA supervisor.

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Receiving awards for 25 years of DHIA Supervisor Service were: from left, Floyd Myers, Franklin Co.; James Benfield, Montgomery Co.; Dean Cheek, Chester Co.; and Dean Grimes, Bedford Co.

Barbara Mearkle of Bedford County was presented a plaque as the Outstanding DHIA Supervisor, the Carl B. Hollinger Memorial.

Va. Tech dairy club earns top spot in nation

BLACKSBURG Va. — The Virginia tech dairy Club, which includes four Pennsylvanians was named top dairy club in the nation at the recent American Dairy Science Association annual meeting held at Penn State.

The ASDA award capped a successful year for the club, which placed in the top four in 1981-82 judging contests, sold more than $30,000 of cheese and won the Southern Region ADSA chapter award.

Club members from Pennsylvania included Chrissy Gitt, Littlestown, Brenda Schucker, Troy, Cindy Waltemyer, Collegeville, and Diedra Johnson, Warren. Waltemyer finished her term as second vice president and Johnson received third place for her paper, "Effective Milk Promotion," during the ADSA meeting.

Anne Powel from Union Bridge, Maryland was elected third vice president for the 1982-83 meeting. In the Undergraduate Paper Contest, David Hardesty of Berryville, Virginia finished third with his paper in the Production division titled "The Effects of the Backflush System on Mastitis".

Willie Foster, a junior in Dairy Science was presented one of the fifteen $1,000 scholarships presented by the Scott Paper Towel Division for his paper. In addition eight members of the dairy club received Scholarship Recognition Awards given by the ADSA.

Joseph Lineweaver received ADSA recognition and was presented the Outstanding Club Advisor. Lineweaver was responsible for creating the Student Afilate Division in 1960 and served as vice president and then President of the S.A.D. Since his college days he has been very active in the regional and national Parent Division of ADSA. While teaching at Tech he served as club advisor for several years, and was advisor for the ice cream booth at the state fair, the cheese sale and VPI's delegations to ADSA meetings. Lineweaver left Virginia Tech in January to continue his work in embryo transfer.

The delegation from Virginia Tech which participated in the American Dairy Science Association meeting held at Penn State are seated from left: Debbie Heidelbach, Holly Trimmer, Amy Milton, Brenda Schucker, Claire Menendez, and Anne Powel. Middle row, from left: Diedra Johnson, Chrissy Gitt, and Cindy Waltemyer. Back row, from left: David Hill, Scott Coblentz, Mike Menendez, Jon Reifsnider, Alan Grove, David Hardesty, and Dr. Mike Barnes. Missing when photo was taken, Mike Brown and Willie Foster.

Seth Spencer from Cal Poly presents Diedra Johnson of Warren her award for placing third in the Undergraduate Paper contest.

Cattle numbers down

HARRISBURG — All cattle and calves in the United States on July 1, 1982 are estimated at 124 million head, down one percent from July 1 a year ago but up one percent from July, 1 1980 according to the Pennsylvania Crop Reporting Service.

Cattle classes on July 1 and the change from a year earlier are as follows: beef cows, 38.6 million, down four percent; all heifers 500 pounds and over, 18.6 million, up one percent; beef replacement heifers, 6.12 million, down two percent; milk replacement heifers, 4.78 million, up three percent; other heifers, 7.65 million, up two percent; steers 500 pounds and over, 16.3 million, up one percent; bulls 500 pounds and over, 2.61 million, down one percent; and heifers, steers and bulls under 500 pounds, 36.7 million, up fractionally.

The 1982 calf crop is expected to be 43.6 million, down three percent from the 44.7 million born in 1981.

This report provides United States estimates of mid-year cattle and calf inventories by classes. Individual state estimates are not available. The next cattle and calves report showing Pennsylvania inventory numbers will be included in the January 1, 1983 report.

DHIA awards

(Continued from Page A32)

Evans, Richard Crider, Harvey Undercoffler, Gary Homan and Regis Briggs.

Lancaster County's Floyd Zook and Martha Ohl of Erie County were surprised when they were announced as the recipients of Distinquished Service Awards for the year.

Because of the neatness and the order DHIA supervisor Barbara Mearkle of Bedford County applys to her job, she was given the Carl B. Hollinger Memorial as the Outstanding DHIA Supervisor. The award is presented in memory of the dedicated and well-liked fieldman Carl Hollinger.

DHIA gathers the supervisors together once a year. Administrative assistant Raymond Pruss says they take the conference opportunity to better inform the supervisors: they talk about their jobs, hold question and answer periods, but mainly pass along changes and new ideas.

Supervisors from 35 counties will be mailed Merit Awards for 1982. The recipients were singled out for doing a better than average job. They were announced at the annual banquet:

Bedford-Dean Grimes, Barbara Mearkle; Berks-Robert Keppley, Raymond Haggie; Blair- Richard Bigelow, Darrell Brumbaugh; Bradford- Steward Rosengrant, Gerald Pratt, Bonnie Beals, Barbara Gary, Brent Skinner; Bucks- Cris Hess, Ruth Ann Moyer; Butler- Henry Halstead; Centre- Gary Homan; Chester- Dean Cheek, Gerald Miller; Clearfield- David Hughes; Columbia- Ken Stackhouse; Crawford- William Motzing, Jane Kashner; Cumberland- Harold Boldosser, Jay Ziegler; Dauphin- James Batz; Erie- Ellen Kinney, Martha Ohl, Dan Smith, Mary Beth Kennedy; Franklin- Harry Fritz; Floyd Myers; Huntingdon- Shirley Heeter; Indiana- Kenneth Smith; Juniata- Harvey Fettig, Mike Beaver; Lancaster- J. Wilbur Houser, Harold Lindecamp, Harold Probst, Jay Risser, Moses Martin, Lee Landis, Jay Mylin, Harold Brenneman, Floyd Zook, Dwight Houser, Tom Garrett, Patti Johnson; Lebanon- John Arnold; McKean- Mildred Ludwig; Mercer- Nellie Jones; Mifflin- Sherri Morgan; Montgomery- James Benfield; Perry- R. Walter Stydinger, John O'Toole; Potter/Elk- Lorene Dunn; Somerset- Robert Ream, Eugene Pope, Leonard Miller, William Meyers; Susquehanna- Gary Davies; Tioga- William McIlwain, Mike Stickler; Union- Earl Boyer; Venango- Charles DuMond; Warren- David Hitchcock; Wayne- James Rosengrant, Joseph Schrieffer, Steven Kammer; York- David Miller, Vere Balmer, Marianne Walter.

Following the banquet and awards presentation at Gatsby's in State College, Joe Beard of Crawford County narrated slides from a 1979 tour he and his wife took of Germany.

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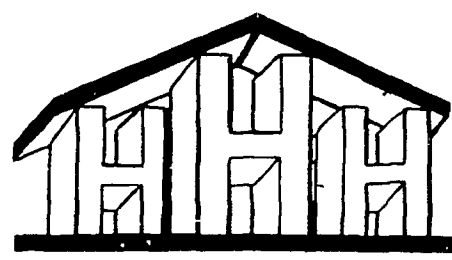

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Study shows export promotion boosts soybean sales

ST. LOUIS, Mo. — Checkoff-funded promotion expanded export sales and increased average U.S. soybean prices 8 cents a bushel for each of the last 10 years, according to a new Chase Econometrics report.

The Chase Econometrics study evaluated the effectiveness of soybean export promotion for the American Soybean Association the farm commodity organization that annually conducts 200 export promotion activities in 76 countries.

Using a complex computer simulation, Chase Econmetrics studied the impact of export promotion from 1970 through 1980. In removing export increases resulting from higher livestock numbers, growth in world population, changes in foreign exchange rates and other factors, Chase measured the direct impact of ASA export promotion activities.

"The currently depressed soybean prices would be even lower today if we didn't use checkoff funds to build export sales," says ASA President Charles Hamon, himself a farmer from Valley Falls, Kansas.

"The soybean checkoff amounts to about a cup of coffee an acre. But, it's allowed farmers to sell more soybeans at higher prices. And, according to the Chase Econometrics report, that has increased gross soybean income $57.50 for each checkoff dollar we've invested. That's a darn good return on the farmers' investment."

Chase Econometrics reported the following:

• Farmer-funded export promotion increased gross cash income to soybean farmers $57.50 per checkoff dollar invested and increased soybean export revenue $66.40 per checkoff dollar invested. These returns are even higher if one assumes that all export promotion would stop if farmers withdrew their checkoff funding.

Under these conditions — assuming all returns are directly related to the checkoff — soybean export revenue increased $280.80 per checkoff dollar invested and gross cash receipts paid to soybean farmers increased $292.40 per checkoff dollar invested.

• On a yearly average, farmer-funded export promotion allowed farmers to sell 2.3 percent more bushels at 1.7 percent higher prices. This combination increased average gross cash income to farmers 4.0 percent a year. While the percentages are small, the impact on farmers is great.

For example, without export promotion, U.S. farmers — in 1979-80 — would have sold 45.8 million fewer bushels of soybeans. Prices would have been nine cents a bushel lower. And, gross soybean cash income would have dropped $485 million or $881 per soybean farm.

• ASA's export promotion increased annual soybean exports 4.1 percent soybean meal exports 11.6 percent; soybean oil exports 11.7 percent; and soybean export revenue 7.5 percent. Because of the volume of U.S. soybean exports, these small percentage changes have major impact.

For example, in 1979-80, export promotion accounted for 13.36 million bushels of soybean exports; 1.24 million metric tons of soybean meal exports; 287 million pounds of soybean oil exports; and $514 million of soybean export revenue.

• ASA's export promotion has an unavoidable impact on Brazilian soybean exports, U.S. export promotion, however, benefits Brazilian farmers much less than U.S. farmers. Specifically, the benefit to U.S. soybean farmers is four times greater for soybean exports; 20 times greater for soybean meal exports and three times greater for soybean oil exports.

• Farmer-funded export promotion affects other areas of the U.S. economy. It has increased average prices and cash receipts of other crops nearly 1 percent per year. It has slightly increased livestock prices and livestock cash receipts at the farm level even though export promotion slightly increased the cost of feedstuffs.

• While farmer-funded export promotion has greatly increased soybean export revenue and soybean cash receipts to farmers, it has only slighty increased costs to U.S. consumers. In fact, soybean export promotion increased the consumer price index for food only one-fourth of 1 percent and the CPI for all goods and services only one-twentieth of 1 percent.

ASA's export promotion activities have three funding sources: soybean farmers, USDA's Foreign Agricultural Service and third party supporters (industry, trade associations and governments) in host countries. Farmers in 23 states invest a portion of their one-half cent or one cent soybean checkoff to export promotion. Over the last 10 years, Chase Econometrics found that each soybean checkoff dollar generated 96 cents in Foreign Agricultural Service funds and $1.44 in funds and services from third party industry supporters.

"We're pleased with the positive results of our export promotion as documented by the Chase Econometrics study," says Hamon. "The Chase report will guide the ASA board, which is made up of soybean farmers, in developing checkoff funded programs that provide the greatest return to farmers.

"It shows that investing small amounts of checkoff money generates major returns to farmers. We hope U.S. farmers will use this information to increase their checkoff commitments so we can implement additional export promotion programs throughout the world."

Dry weather pushes Pa. crop progress

HARRISBURG — Fine weather during the week ending July 25 allowed all three regions in Pennsylvania to report six days suitable for farm field activities, pushing progress of most activities closer to last year's levels, according to the Pennsylvania Crop Reporting Service.

Field activities for the week included spraying; baling straw; making hay; and harvesting barley, wheat, rye, oats, spletz, peaches, early apples, blueberries, potatoes, snap beans, tomatoes and sweet corn.

Evidently, the scattered thunderstorms that occured during the week were not enough to relieve the dry conditions as 58 percent of our reporters rated topsoil moisture short and 42 percent rated it adequate.

Corn averaged 63 inches high statewide compared with 62 inches last year. Corn in the northern, central and southern regions averaged 57, 59 and 70 inches, respectively.

Pennsylvania's barley crop is 89 percent harvested compared with 88 percent harvested last year. In the northern region 69 percent is harvested, while in the central and southern regions barley harvest is virtually complete.

Statewide, the wheat harvest is rapidly progressing, with 65 percent harvested, the same amount harvested at this time last year. In the northern region 46 percent is ripe, and 46 percent is harvested. In the central region 26 percent is ripe, and 74 percent is harvested, while in the southern region 23 percent is ripe and 77 percent is harvested.

Statewide, 28 percent of the oat crop is ripe and seven percent is harvested compared with 32 percent ripe and 18 percent harvested last year. In the northern region 25 percent is ripe and less than five percent is harvested. In the central region 22 percent is ripe and less than five percent is harvested, while in the southern region 40 percent is ripe and 19 percent is harvested.

Second crop alfalfa in the state is 50 percent harvested compared with 64 percent last year. Reporters have indicated that leafhopper damage has ranged from mild to severe depending on locality. First crop clover timothy is 94 percent harvested, while harvest of the first crop last year was virtually complete at this time.

The quality of hay made in the state during the week was rated good by 68 percent of our reporters and fair by 32 percent. The amount of feed obtained from pastures was rated average by 63 percent of our reporters, below average by 34 percent and above average by three percent.

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Workshops slated to discuss Agricultural Areas Act

HARRISBURG — A series of seven workshops have been scheduled for farmers to discuss the state's new Agricultural Areas Act, according to Secretary of Agriculture Penrose Hallowell.

He said the workshops would include a review of legislation enacted to improve the family farm and retain land in agriculture; local roles in implementing Act 43; and the role of participants in their communities.

"In the past 20 years, more than four million acres of Pennsylvania farmland and 45,000 family farms have been lost to agriculture from economic and development pressures," said Hallowell. "Agricultural areas may well be the foundation on which our future efforts to preserve agricultural land is built, and the seven workshops should help by making those farmers in attendance a source of information for their own communities.

"It took a cooperative effort of the entire state farm community to secure passage of the Agricultural Areas Act," said Heim. "The Act authorizes the creation of agricultural enterprise zones created voluntarily by landowners with the cooperation of the local governments, to keep agricultural lands in farm use. The workshops have been designed to stimulate the establishment of agricultural areas and make this law a productive tool in preserving our farmland resources."

The Act was signed by Gov. Dick Thornburgh in 1981, after several years of discussion in the General Assembly. Under the Act, farmers can voluntarily join to have their land designated as agricultural areas of 500 or more acres used for producing crops, livestock or livestock products.

The workshops are being sponsored by the Department of Agriculture, in cooperation with Penn State, Pennsylvania Farmers' Association, Pennsylvania State Grange, Pennsylvania Farmers' Union, the State Association of Township Supervisors and the State Association of Conservation Districts.

The dates and locations of the workshops are:

Aug. 3, Region V, Southwest Central Pennsylvania — Family Host Cafeteria, Pleasant Valley Shopping Center, Route U.S. 220, Altoona; 9:30 to 12:30

Aug. 4, Region I, Northwest Pennsylvania — Crawford County Courthouse, Assembly Room, Meadville; 9:30 to 12:30

Aug. 5, Regional IV, Southwest Pennsylvania — Middlesex Township Firehall, Route 8, Valencia; 9:30 to 12:30

Aug. 10, Region II, North Central Pennsylvania — Lycova Grange #2006, Cogans Station; 9:30 to 12:30

Aug. 11, Region III, Northeast Pennsylvania — Department of Agriculture's Regional Office, Conference Room, Route 92 South, Tunkhannock; 9:30 to 12:30

Aug. 12, Region VII, Southeast Pennsylvania — Department of Agriculture's Regional Office, 402 Century Plaza Building, 100 West Main Street, Lansdale; 9:30 to 12:30

USDA calls for swine health protection

WASHINGTON, D.C. — The U.S. Department of Agriculture's Swine Health Protection Advisory Committee has called for USDA to adopt final regulations and implement the Swine Health Protection Act by Jan. 1, 1983.

The act, which was signed into law Oct. 17, 1980, regulates the treatment of garbage fed to swine. States have primary responsibility for enforcing regulations that require food waste fed to swine be heat treated to kill disease-causing agents.

"We are concerned about foreign and domestic diseases such as African swine fever, hog cholera, foot-and-mouth disease, trichinosis and pseudorabies, which can be spread to healthy swine if they eat raw or inadequately cooked meat scraps containing disease agents," said Harry C. Mussman, administrator of USDA's Animal and Plant Health Inspection Service.

At its July meeting, the 16-member advisory committee reviewed proposed regulations and made a number of recommendations, including one supporting the goal of eliminating trichinosis as a problem in commercial pork.

The advisory committee also approved criteria for determining how well states — both those that do and do not permit feeding treated food waste to swine — are carrying out the intent of the act. Sixteen states prohibit the practice.

The criteria require states to have:

— laws and regulations requiring treatment of food waste at licensed cooking facilities and physical separation of swine from untreated garbage;

— unannounced inspections of licensed facilities with at least six inspections annually in coastal and Mexican border states and four inspections in other states;

— searches for unlicensed garbage feeders;

— adequate enforcement procedures and related activities; and

— information and education programs on the need to treat food waste before it is fed to swine.

Members of the advisory committee said the intent of the 1980 act is for states to maintain their own regulatory programs.

Dairy plans

(Continued from Page A1)

program designed to assist in maintaining and improving dairy farmer income by increasing consumption of manufactured dairy products would be financed by a uniform checkoff of five cents per hundredweight on all milk marketed. The funds, channelled through a dairy promotion board, would be used for product promotion and market developement.

If approved, the program would go into effect only if approved by a majority of dairy farmers in a national referendum. The program would be mandatory with no provision for refund to individuals.

The NMPF program now must move through the House budget committee before appearing on the House floor for a vote, said Dondero.

Lancaster field day

(Continued from Page A30)

what we're feeding, we just don't know how much," said Muller. He tapped the importance of computer feeding systems in correcting the problem, but noted that it may not be economical for all farmers.

Club members also received an update of their state association. Director Jay Landis discussed the proposed mortality insurance for cattle. To qualify a breeder can expect to pay a premium of $150 per year which should be at least 3.8 percent of the animal's value.

PHA spokesman Doug Hershey announced the state association is looking for 40 bulls, which must meet specification, to ship to France in the near future.

From the national organization, Clarence Stauffer, HFAA consultant reminded the group the linear classification system will take effect in 1983.

The Holstein club awarded plaques to the sharp-eyed competitors, besting all others in the judging contest.

Jim Bollinger, 17, of Stevens placed first in the youth division. Jim is the son of Ray and Geraldine Bollinger. Second place was 7-year-old Matt Welk of Peach Bottom, son of Paul and Beverly Welk. Todd Denlinger, 14, came in third. The Gap youngster is the son of Kathleen Denlinger.

In the ladies division Pauline Garber of Mount Joy took first; Mim Kauffman, Elizabethtown, second; and Mildred Groff of Quarryville finished third.

Bob Peiffer of Quarryville not only won the men's division, but scored the overall win. Nathan Stoltzfus of Gap placed second followed by Elam Bollinger of Manheim in third.

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Koontz, Moose score Jersey victories

MERCER — In her first tanbark appearance, Stainbrook Baronet Honey Lilly bested more than 100 entries, recently, to capture the Grand Champion title in the first Northwest Pennsylvania District Jersey Show.

Show judge Ted Renner tapped the 3-year-old entry of the Donald Koontz family of Fredonia on her overall balance and dairy character. Renner also complemented the Secret Baronet daughter on a correct set of feet and legs and her width and height of rear udder.

Koontz's grand champion is out of a Milestone Generator daughter and currently bred to Briarcliffs Soldier Boy.

The Baronet bloodlines also carried through to another champion before the day ended. Baronet Percip Pref owned by the Robert Moose family of of Romar Jerseys, New Wilmington, was named the Total Performance winner on the basis of her production records and placings.

The Excellent aged cow has records to 16,229 pounds of milk and 832 pounds of butterfat on a 5.1 percent test. When adjusted for a 4 percent fat-corrected basis, explained Chuck Moose, the Baronet daughter turned in a top record of 20,935 pounds of milk.

In addition, Romar Jerseys collected the Junior Champion rosette with their senior yearling entry. Romar Dutch Lettie Lorna

(Turn to Page A37)

This 3-year-old entry of the Donald Koontz family (right) captured the Grand Champion rosette during the first Northwest Pennsylvania Jersey Show held recently at the Mercer County 4-H Park. The champ, Stainbrook Baronet Honey Lilly is joined by: (from left to right) show judge Ted Renner; Joleen Snyder, Beaver-Lawrence Dairy Princess; Susan Slater, Mercer Co. Dairy Princess; Don, Jackie, Angie and Brian Koontz of Fredonia, Mercer County.

Junior champion Romar Dutch Lettie Lorna is flanked by members of Romar Jerseys. From left to right the group includes: Robert and Mary Moose; Chuck and Pam Moose of New Wilmington, Mercer County. The Mooses also were named Premier Breeder and Exhibitor.

Del. field day features aerial seeding, farm rescue

NEWARK, Del. — Several new twists have been added to the program for the University of Delaware's upcoming Farm and Home Field Day. The event — now in its 38th year — takes place Wednesday, Aug. 11, from 8:30 a.m. to 3:45 p.m. at the University's substation farm on Route 28 just west of Georgetown.

Besides starting earlier and lasting longer, this year's event will have several special features including a commercial farm equipment display, and demonstrations of chain saw wood carving, aerial seeding of vetch into standing corn and soybeans, and a simulated farm rescue. The equipment display will include specialized machinery for field crop and vegetable production such as no-till drills and planter-splitters; agronomic sprayers; drip and overhead irrigation systems; equipment for laying plastic mulch and drip tubing; and machines for fluid seeding and transplanting vegetables.

In another departure from previous field days, tours of the experimental farm will be held only in the morning, giving visitors more time to meet and talk with university researchers and extension specialists.

Wagon tours of the agronomic field plots will start at 8:30 a.m. and leave at half-hour intervals throughout the morning. Each tour will last an hour and a half and will cover such timely topics as effective fertilizer use and full-season no-till soybeans. Considerable attention will be focused on various soybean check-off projects under way at the farm. (These projects are supported in part by the Delaware Soybean Board with funds collected from the state's soybean producers.)

There will also be a wagon tour of the vegetable plots from 10:15 to 11:30 a.m., and an hour-long tour of the swine facilities, starting at 10:30 a.m.

For nonfarmers or individuals with less specialized interests, there will be general bus tours of the farm, starting at 10 a.m. and lasting an hour.

Field day guests can also visit special exhibits prepared by researchers and extension specialists with the College of Agricultural Sciences. These will be located in the machinery shed at the farm and will feature a wide range of subjects including ground water quality, solar heat for broiler production, gypsy moth control, poultry response to heat stress, gel seeding of vegetables, use of broiler manure on crops, infrared photography as a crop diagnostic tool, and selling grain on the futures market with the help of a computer.

Throughout the day there will be consumer-oriented talks and demonstrations on such topics as edible wild plants, sewing with muslin, creative ways to cook potatoes, microwaving corn, edible soybeans and how to prepare them, candlewicking pillows, lawnmower safety, and less familiar kinds of Delaware seafood.

A highlight of field day each year is the traditional fried chicken lunch served in the farm's shaded grove — a comfortable place to be on even the hottest days. Tickets for the meal cost $3 for adults ($2.25 for children) and will be available that day at the information desk. Another traditional refresher is the midafternoon watermelon break.

Bus transportation will be available for New Castle and Kent county residents. For further information on bus schedules and cost, call county extension offices in Newark 302/738-2506 or Dover 302/736-1448.

Del. experiences declining farmland values

NEWARK, Del. — After five years of unprecedented increases in farmland values, U.S. values fell 1 percent from Feb. 1, 1981 to April 1, 1982, according to a recent U.S. Department of Agriculture report. During this period (1976-1980), Delaware farmland rose by 15 percent annually in inflated dollars (8 percent in real terms.)

While average U.S. farmland values slipped 1 percent in 1981, the Consumer Price Index gained about 8 percent. This means the real value of U.S. farmland dropped by roughly 9 percent last year.

The average price of an acre of Delaware cropland was $1,755 in 1980. By 1981 that value had risen to $1,843 per acre for a 5 percent increase. However,by April first of this year, that figure for Delaware had dropped to $1,659, a 10 percent decline.

"When you add the effect of inflation to this," says University of Delaware Extension farm management specialist Don Tilmon, "that's an 18 percent deline in the real value of Delaware agricultural lands. To make a long story short, last year wiped out one half of the real gains in farmland values realized over the previous five years."

What are the implications of this reversal for Delaware farmers?

"For the grower considering the purchase of additional acreage, the news is obviously good," says Tilmon. Lower land prices coupled with declining interest rates make the idea of expansion much more attractive than in recent years.

However, for the farmer who's committed a lot of his assets to obtain credit, the news is not good. The collateral on which his financing has been based is now worth less. His loan ratios now look much worse than they did a year ago, especially in light of the depressed prices and yields experienced over the past two years.

"If prices and yields don't show significant improvement on the Delmarva peninsula this year, our marginal farmers may be in for some rough sailing at the bank this winter," predicts Tilmon.

IMPCO officials fill Order 4 promo posts

SOUTHAMPTON, — Two Inter-State Milk Producers' Cooperative directors have been re-elected to Federal Order 4 Advertising and Promotion Agency Committee offices.

Dan Martin, Manheim, was re-elected agency chairman and Robert McSparran, Peach Bottom, was re-elected secretary. Others elected to serve include Dave Weitzer, Maryland and Virginia Milk Producers Association, vice chairman, and Barney Meredith, Valley of Virginia Milk Producers, treasurer.

The four were named at the agency's annual reorganizational meeting July 20 in Harrisburg.

Martin is vice president of Inter-State and had served as secretary of the agency before being elected chairman in 1981. McSparran, president of Inter-State, has served on the agency for eleven years.

Both Inter-State directors emphasize the need for continued advertising and marketing of Pennsylvania dairy products. "Although the Pennsylvania referendum failed, we must continue to entice and educate consumers or else face an ever-shrinking market for our products," Martin said.

The Federal Order 4 Advertising and Promotion Agency, Baltimore, Md., invests milk promotion dollars in advertising promotion and nutrition education. The Agency appropriated $6 million in 1981.

African bees pose threat to U.S. apiarists

NEWARK, Del. — In 1957 some African bees accidentally escaped from the Brazilian laboratory where they were being studied for a honeybee improvement program. In the wild, the escapees survived, thrived and began to spread, interbreeding on the way with local honeybee populations.

The fierce "Africanized" bee resulting from this cross has now traveled all the way south to Argentina and is moving steadily northward through the tropical rain forests and along the eastern coast of Latin America. It reached the Panama-Colombia border last November. On March 3, 1982, its presence was verified in a suburb of Panama City. Moving north at the rate of about 150 miles a year (twice that fast through unfavorable terrain), it is expected to reach the Texas-Mexico border by 1994.

There's no doubt about the Africanized bee reaching this country, says Dewey Caron, University of Delaware entomologist who is an authority on honeybees and their behavior. The question is, what impact will the bee have on farming and the general public when it gets here?

"The Africanized bee would seem able to inhabit the lower part of continental United States, as well as Atlantic and Pacific coastal areas," Caron says. "It probably would survive favorable winters in Delaware, which is about its northernmost range. It would die here during severe winters; respreading from nearby milder areas."

The bee poses a serious threat to the U.S. queen and bee package industry, which is located in Florida and Texas, prime habitats of the intruder. Most of the honeybees which supply American beekeepers and those in other parts of the world are reared in these two states.

Caron says various schemes have been proposed to halt the Africanized bee's northward spread, including stretching a giant barrier net along the Panama Canal. Since none of these ideas appears feasible, the entomologist says it is more realistic to learn how to get along with the bee, once it arrives.

He plans to study its progress through Panama, observing how farmers, beekeepers and the general public in that country adjust to the invader. What occurs in Panama may provide clues as to how to deal effectively with the bee, once it gets to the U.S., since beekeepers in both countries use the same Eurpopean-type bees and handle them in the same way.

There are two main reasons for concern over the spread of the Africanized bee. First, because of its readiness to sting, it poses a human health hazard. Also, because it transmits this aggressiveness to its offspring when it interbreeds with existing honeybee populations, it has a profound effect on beekeeping and crop pollination in areas where it settles.

The sting of the Africanized bee is no more toxic than that of the European-type bees commonly used in this country and Latin America. The trouble is, it stings much more readily to defend its nest. People and animals in the vicinity are likely to become targets, even when they're not responsible for the disturbance. This bee is smaller than its European counterpart, is much more mobile, and much less selective about its nest sites. These can be anything from a hollow tree or hole in a wall to a discarded container or other debris.

One reason the bee spreads quickly is that it colonizes (swarms) much more often than the European honeybee — about eight times a year, compared to once every other year.

The Africanized bee also adapts readily to living around humans. This means the chances of getting stung are quite high, Caron says. For people who are allergic to bee venom, the insect thus poses a life-threatening hazard.

People have been keeping bees for centuries and have develped techniques to insure adequate crop pollination and to harvest surplus honey and wax from hives. In its own land the African bee is used in the same way, but doesn't lend itself to management as easily as European bees, the entomologist says. This means beekeepers will be stung much more as they try to work with the new hybrids, he predicts.

There are other problems too. Because Africanized bees are so easily disturbed, heir hives must be isolated for the safety of people and livestock. This means that bees can't be moved from crop to crop as Eurpoean bees are. In Delaware, several crops are pollinated by traveling hives managed by commercial beekeepers. The hives are placed with apples and cucumbers in order to pollinate these crops. They're also placed with lima beans to collect honey.

During its move up the coast of Brazil and into Central America, the immediate effect of the Africanized bee on local beekeeping industries and agriculture has been dramatic and negative, says Caron. "We can't predict what will happpen in Panama as the bee continues its invasion there, but the impact will likely be similar," he says. Because of the limited resources of the countires invaded so far, very little research has been done on the insect, and most of that research has been supported by American funds.

Last April Caron spent two weeks in Panama visiting beekeepers and observing the bee. "I saw a good cross section of the industry, and much of what they're doing applies to the U.S.," he says. For example, most beekeeping equipment used in Panama is American-made, and most honeybees now in use come from Texas or Florida breeding stock.

Caron plans to return to Panama to continue his documentation of the Africanized bee and its effect during the country's next dry season, which occurs between November and May. That's when the bee will be spreading most rapidly.

On that and other future trips, he will observe changes which have occurred in bee management there as a result of the Americanized bee. "If we can document some of the things they try in Panama," he says, "maybe we won't have to reinvent the wheel, so to speak, when the bee gets here."

Erosion can become big problem

NORRISTOWN — The more serious the erosion problem, the more difficult the solution. Lesser erosion problems become big problems if not properly treated, reports a local USDA Soil Conservation Service official.

SCS District Conservationist Edward Brzostek explained that many farmers who put off erosion control will be faced with declining yields.

"Overusing and abusing soil and land are serious national problems which are causing some agriculturalists to predict serious food shortages by the end of the 1980s," said Brozostek.

Realistically, pointed out Brzostek, all land has some erosion. It is almost impossible to see erosion of less than 15 tons per acre per year. Most Pennsylvania soils rebuild at a rate of 3 to 5 tons per acre annually.

"Farmers who can see gullies and rills in their fields must realize that their soils are deteriorating and, eventually, if now now, they will face crop production problems," he warns.

Small erosion problems usually can be corrected by simple inexpensive conservation practices, such as conservation tillage, cover and crop residue management, contour farming and/or stripcropping. More serious erosion problems may require constructive practices along with the simpler measures, Brzostek states. Severe erosion can be reduced with diversion and grassed waterways or with tile outlet terraces, or by increasing hay in the crop rotation. Technical service to landusers in controlling erosion is provided by the Soil Conservation service. Brzostek recommends that the time for farmers to act is now. "It takes longer to rebuild soil than to wear it out," he says.

Jersey victories

(Continued from Page A36)

is sired by Van Des Dutchman, a Samson son, and is out of a Mercury daughter with records to 11,304 pounds of milk and 608 pounds of fat on a 5.4 percent test.

The junior champion is due in December to a Favorite Saint son. The Mooses capped the successful day with wins in the Premier Breeder and Exhibitor categories.

The show consisted of 20 classes with as many as 12 entries in a class. Lawrence County Extension agent Dave Rynd served as ring master while Mercer County Extension agent Les Firth announced classes.

Show staff included Chuck Moose, Donald Koontz, John McConnell and Debbie Moose.

Additional winners of the first Northwest Pa. Jersey Show follow

Junior Calf — David C. Black;

Intermediate calf — John and Amy Vandertappen;

Senior Calf — Tom Clark, reserve junior champion;

Junior Yearling — Michelle Rae Doberiener;

Senior Yearling — Romar Jerseys, junior champion;

Junior Get of Sire — Hillcrest and Vantage Jerseys;

Junior 2-year-old — Hillcrest Jerseys, best udder;

Senior 2-year-old — Marshie Chess

3-year-old — Vantage Jerseys (Koontz), grand champion

4-year-old — Dean L. Moose, reserve champion, best udder

5 Years and over — John and Amy Vanderstappen

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Junior Show Champion — Jackie Koontz

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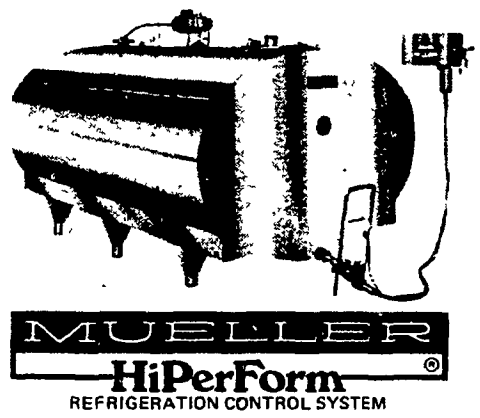

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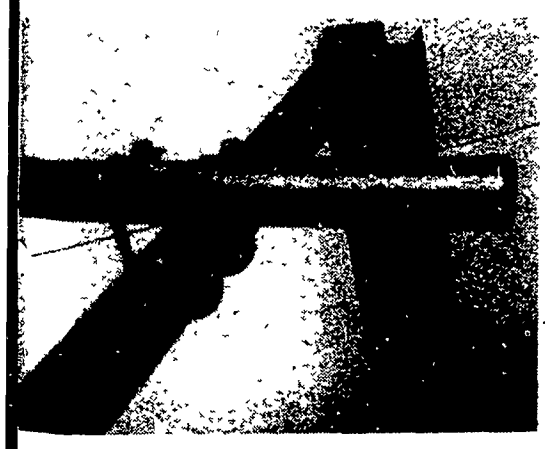

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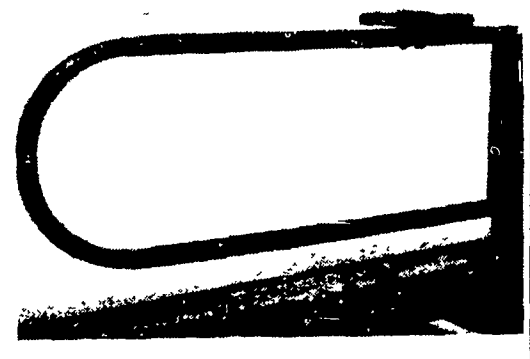


Graybills expand with hard work and faith

BY DONNA TOMMELLEO

HERSHEY — Last year, Frank and Ginny Graybill declined from hosting the Dauphin Co. Holstein club field day for a very good reason.

The young dairy couple were expecting their second child close to the date.

"It was just a couple hours after last year's field day that we were on our way to the hospital," Frank remembered.

But this year, however, Dauphin Co. breeders gathered at the Graybills' Restful Acres Farm for their annual meeting and to help little Dan Graybill celebrate his one-year birthday.

And now a small, yellow plastic swing hangs from pipes in the parlor to keep baby quiet and amused while mom and dad milk their 70 mostly-registered Holsteins.

Although Ginny plans Dan and sister 4-year-old Laura's nap for milking times, it doesn't always work out that way, as most parents can attest. Therefore, the Graybills have installed an intercom in the parlor which tattles on non-napping children.

The Graybill herd does not escape surveillance, either. Unlike most farm offices, the Graybills' rest atop the milk house and sports a large picture window. By sitting at desk on the second-story perch, Frank can observe his herd in the 109-cow freestall barn.

The Graybills are joined by their hired man Tim Brubaker, seated. The family includes Frank with daughter Laura, 4, and Ginny holding Dan.

Ginny and Frank believe milk promotion begins at home. Here she assists as Dan, 1, helps reduce the Graybill surplus.

Just 2-years-old, the freestall and double-six herringbone milking parlor, replaced the inefficient stall barn. The old barn, which served Frank's father for years, only had eight stalls. For awhile, it seemed the Graybills were doing more cow-switching than milking.

Frank and Ginny took over the Graybill home farm about seven years ago. Those who knew them before they married may be suprised at their career choice.

"The last thing I wanted to be was a farmer," Frank recalled his attitude in high school. Instead, he enrolled as a biology student at a Kansas University for a year.

Ginny, also raised on a dairy farm had a similar outlook.

"I always said I never wanted to marry a farmer," She said.

But a couple of match-making sisters had other ideas.

Ginny and Frank's sisters met while attending nursing school in Lancaster and knew they had a winning combination in their siblings.

And now seven years and two children later, the attitudes have changed.

"If I had to pick all over again," said Frank, "I'd still choose farming."

"Farming is so different being in it ourselves, than helping my dad," Ginny noted. "It's a different attitude with our own investment."

Investments like the new freestall with the drive through feeding system, two new silos and a gravity flow manure lagoon have given the Graybill homestead a face-lift since the couple took over. Additionally, the couple have just gone beyond the 20,000 pound milk and 720 fat marks.

The homebred herd is fed a total mixed ration in three groups: two milking and one dry. Frank makes the cut-off for the milking groups at 50 pounds of milk daily. The TMR includes alfalfa haylage, corn silage, soybean meal, a mineral mix and depending on the time of the year, rylage. In addition, the herd receives four to five pounds of hay daily. High producers making more than 70 pounds wear magnets and have access to the magnetic feeders.

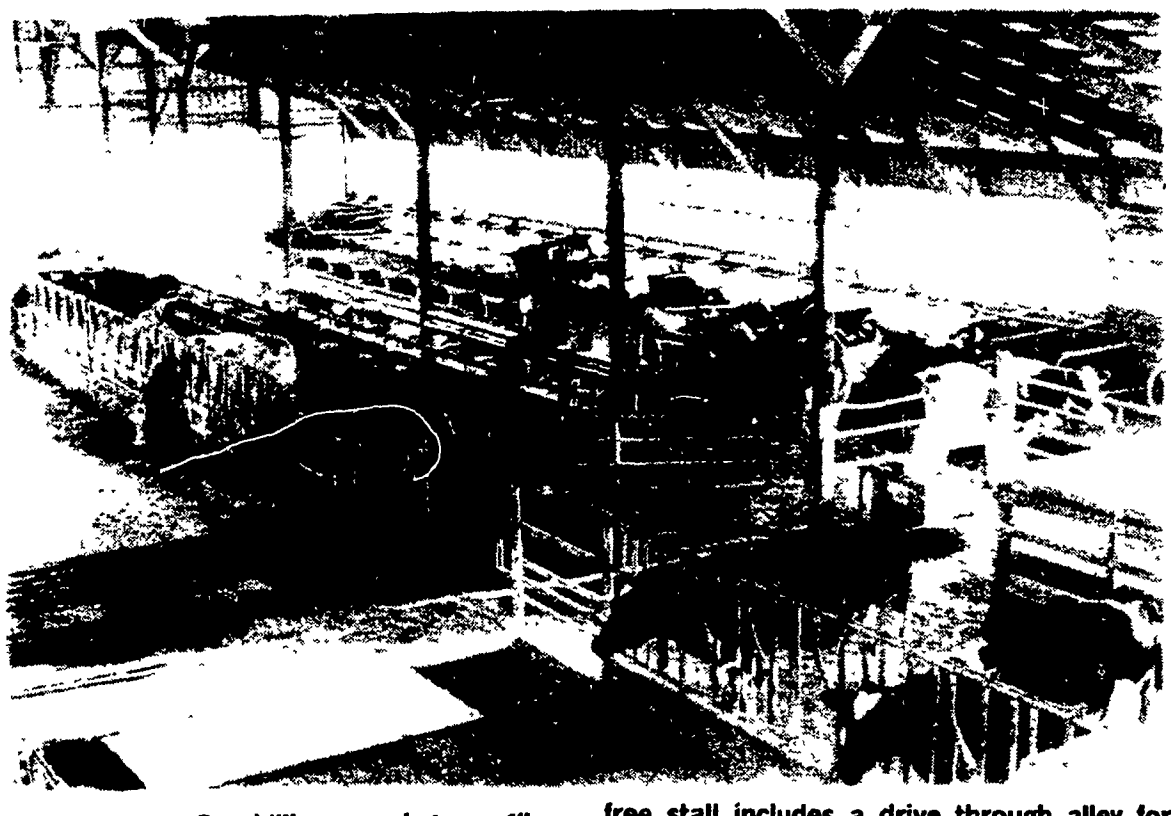
The manure storage lagoon, designed for effeciency, has given the Graybills a few headaches, Frank admitted. Sand, used as bedding in the freestalls does not stay in suspension and has been settling out in the lagoon. Frank explained that he chose sand because unlike the less expensive sawdust, it doesn't encourage bacterial growth.

Part of the herd is bedded with a combination of sand and rubber mats. But a closer inspection of the comfort mats reveal that they are actually pieces of industrial belts used in steel mills.

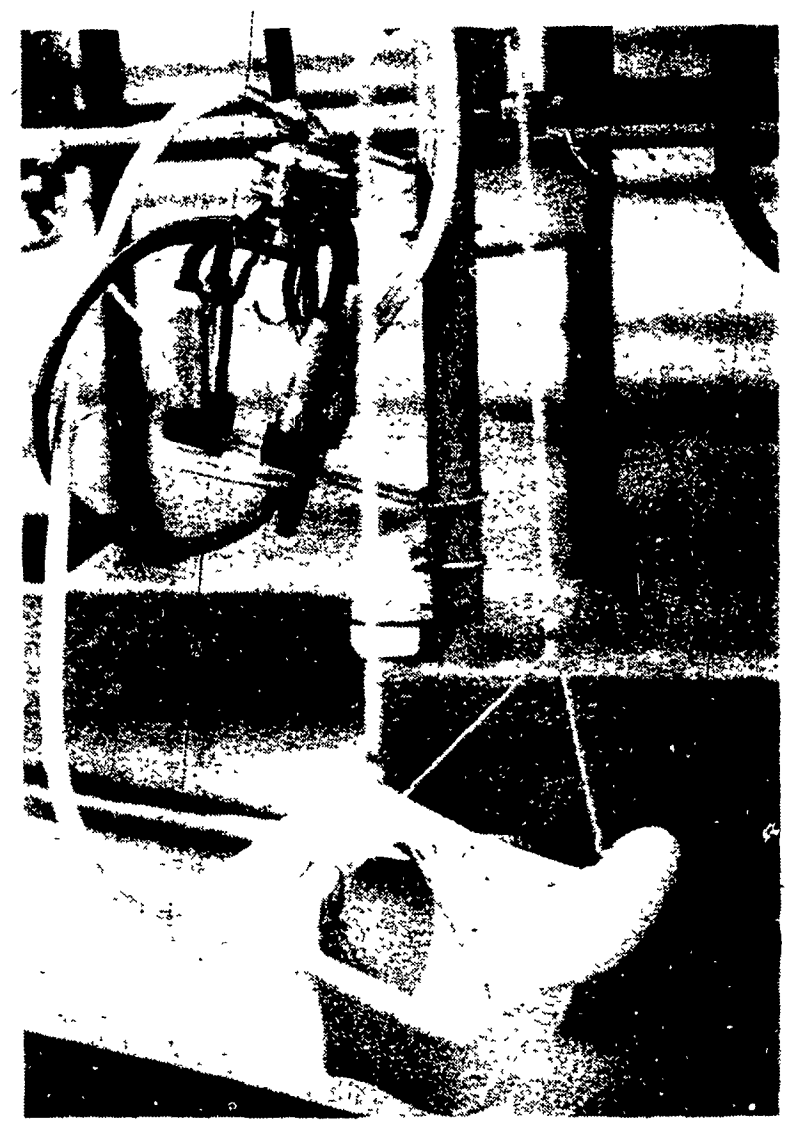
Eventually, the couple hope to merchandise breeding stock. Frank, who does all the breeding, uses Jemini on his heifers while the rest of herd is bred to Superior, Creek and Chairman to name a few.

The work force of Restful Acres is supplied by Frank, Ginny and hired man Tim Brubaker.

(Turn to Page A39)



A view from Graybill's second-story office, helps Frank monitor the herd. The 109-cow free stall includes a drive through alley for feeding.



When Dan doesn't feel much like napping, he can usually be found rocking in this swing while his parents milk.

Lancaster hog producer signs first PACMA futures contract

CAMP HILL — White Oak Mills, which markets hogs near Manheim, Lancaster County, has become the first producer to sign a forward contract for a guaranteed price from PACMA, the marketing cooperative of the Pennsylvania Farmers' Association.

At a recent meeting in Harrisburg, Pennsylvania Agriculture Secretary Penrose Hallowell congratulated PFA and PACMA officials for their initiative in launching the new program which he said will improve profits for producers of hogs, livestock and feed grains.

John Wagner is president of White Oak Mills which markets about 50,000 hogs annually. Under the contract signed with PACMA, Wagner will receive a guaranteed price, determined in advance, for 30,000 pounds of hogs delivered in the future. PACMA also will guarantee a market and prompt payment for the commodity.

Wagner said, "I'm enthused about this new PFA service. Pricing has always been a weak link in the hog industry."

PA Agriculture Secretary Penrose Hallowell, left, presents a memento to PACMA's Swine Division Director Ed Hildbrand, and Market Development Director Howard Goss, far right, as hog producer John Wagner of White Oak Mills, Lancaster County, signs first Forward Contract with PACMA for a guaranteed price.

Graybill dairy

(Continued from Page A38)

"The worst part about Tim," Frank laughed, " is that he'll be leaving us for school in the fall." Tim is one of three reasons that Frank credits his success in farming.

Ginny is another.

"She's terrific. She really stands behind me," he said.

Although the future of many dairy families may rest in jeopardy, both Frank and Ginny are sure they'll make it because of the third reason to which they owe their success — the Lord.

"Of course we're concerned about the future," said Frank. "But you can't go around worrying all the time. The Lord will take care of us."

For Ginny, who once claimed she would never marry a farmer, the mother of two sees a solid future in the lifestyle for her children.

"There's the enjoyment of working together and learning the value of life. It's easier to have a closer relationship to God and to teach the children about faith," she said.

The gravity-flow manure lagoon, is emptied every six months. Sand bedding from the freestalls does not stay in suspension as Frank would like causing the Dauphin County dairyman to explore other types of bedding.

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215/593-5149

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R.D. #1
Stevens, PA 17578
717/733-3020

LEROY T. GEIB ESTATE
R.D. #2
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717/665-4137

GOODS MILLS
2117 Webb St.
Williamsport, PA 17702
717/322-0111

HAKES FARM & SEED SERVICE
Winterstown, PA
717/244-2754

HEISTAND BROS., INC.
R.D. #3
Elizabethtown, PA 17022
717/367-1504

JOHN M. HERR
Jonestown, PA 17038
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HERR MILLING CO.
R.D. #1
Turbotville, PA 17772
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DAVID B. HURST
Bowmansville, PA 17507
215/445-5671

KEEBLER FEED & FARM SUPPLIES, INC.
114 S. Montour St.
Montoursville, PA 17754
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LYKENS VALLEY ROLLER MILLS
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Columbia, PA 17512
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Sue Howes has an ADvantage in the dairy world

By PATTY GROSS
Staff Correspondent

Sue Howes enjoys working with people, children and animals...especially cows. The R 1 Warriors Mark woman has capitalized on those loves and now has the best of many worlds.

Sue is the mother of two young children: Justin 4, and Travis, almost 3. The Lancaster County native is a farm wife, married to Jay Howes, one of the new owners of Backus Associates Inc., a sales management service.

Putting all these positions aside, Sue has a new title: advertising consultant. She began the advertising agency, "the ADvantage" a year and a half ago.

The imaginative 28-year-old living in Centre County, designs the ad exactly as it will appear in the magazine. "I'm kind of like a computer," smiles Sue. "They feed the information to me...I redistribute it and try to give it a lot of zing!"

"To me advertising is extremely important. It's like Coca Cola. Coke is not number 1 because they don't advertise. They are there because they advertise," reasons the advertising consultant. "If you're going to advertise it has to be effective."

The Centre County woman feels that so many of the ads in the different dairy breed magazines are just there - all very simple and blending together. "My business has been created to make sure an ad stands out and is noticed," she enthusiastically says.

Sue feels much more can be done to advertise dairy products to the general public. "I was very, very disappointed when the milk referendum didn't go through, because I think milk just needs to have an all together different advertising program. They should sit down and spend some money on it and get it done right."

She says she thinks the industry should sit back and look at what sells and the type of commercials used. A very good advertising program is worth the extra money, but she admits that it is obvious other people don't agree with her.

The tanned, slender, blond woman knows what she is talking about when it comes to advertising for dairymen. She grew up on the Penn Springs Holstein Farm in Elizabethtown, owned by her parents, Robert and Mim Kauffman.

Sue and husband Jay bought their own farm, "Legacy Holsteins," seven years ago. Jay is from Bucks County, where his mother remains on the family farm that is no longer in operation. When Jay's father died, they moved the cattle to their 140-acre Gatesburg farm.

The "Legacy Holsteins" farm is for sale. However, owner Sue Howes says she and her husband are not leaving the farming business, just getting away from the fieldwork to give them more time on other projects. She has her own advertising agency, and husband Jay has his own sales management service.

The Centre County woman has started her own business as an advertising consultant doing creative herd promotion. Here is a sampling of her 1½ years of work creating ads for dairymen that "stand out."

The 50 milkers in the 100 head herd own a production average of 22,016 pounds with 777 pounds butterfat. The Howes milk three times a day with Sue handling the morning milking and also the calf raising.

She likes farming because it's very challenging. "It's been a good business to us and for us. We get a lot of milk out of our cows and we like building pedigrees. However, I wish sometimes we had a little bit more along the show string," she confides.

The Howes show their cattle on the county, district and sometimes on the state level. But, that may be eliminated as they become caught up more in individual projects.

They are a busy family, as Jay is gone much of the time preparing for sales. However, he leaves the full-time hired man, Will Canon, and their summer help, Steve Peters, in charge.

Meanwhile Sue is on the go to conventions and cattle sales. She is always in the market for more clients and finds them at the dairy functions.

With over a year's work behind her, Sue says everyone has been pleased with her advertising work. The new business woman has 15 regular clients every month and has helped over 50 people in 10 different states get their message across through "the ADvantage."

"I never thought that I had the ability," she admits. "I never did any of our own advertising."

Sue takes time out from her business to show affection for her favorite cow, Slickhill Glendell Dawfin. She picked Dawfin at a sale when the Holstein was a bred heifer. The registered Holstein is making the highest 3-year-old record the Howes ever had.

She began her business with her husband as the first customer. "One day Jay wrote an ad I thought was terrible," she laughs. "It was horrible." That's when she took over the job.

She received many positive comments about their ads and after some encouragement decided to give others a try. She mailed out letters to people who advertise and soon found she was on her way to having her very own small business.

Sue prefers to visit the people at their farms. She shows the perspective clients her scrapbook of ads, requesting that they choose what style they like best, This gives her an idea of their taste.

Most of the dairy farmers send information to Sue each month which she combines with artwork from an advertising service.

But, the promoter doesn't restrict herself to just ads. Sue will also design logos - symbols or emblems to represent herds - for those in the dairy business. She is currently putting together a bull brochure. Exclusively designed postcards are also a big business. She mails the cards, announcing a sale, to those who are regulars at the events.

It takes the energetic woman 1½ hours to work out an ad. A logo requires much more time. The professional charges a flat rate for the three choices which she presents to her customers. When she redesigns the logo for the final time, the charge is hourly. On top of those prices is tacked a printer's cost.

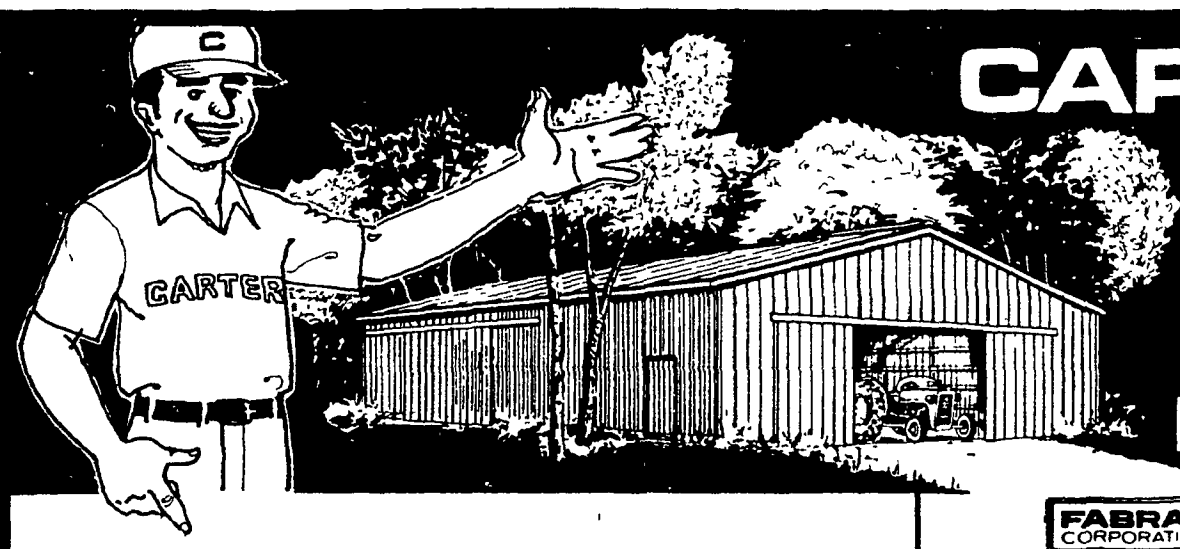
Sue admits it may cost a bit more, but it will pay off. "My ads aren't overlooked," she confidently adds.

The one-person business won't

(Turn to Page B4)

Sons Travis and Justin know their way around the Howes barn. They take a break from driving here, to stop at their favorite cow, "Laurie." The registered Holstein herd of 50 produces over 22,000 pounds at 777 pounds of butterfat.

Homestead Notes



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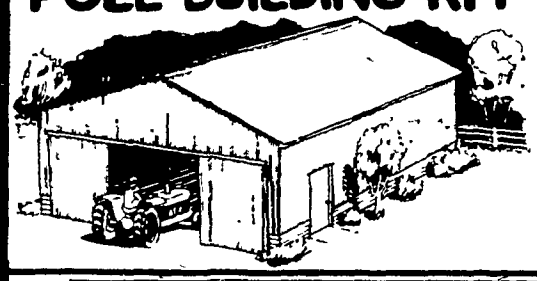
32'x40' POLE BUILDING KIT



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- Custom designed any size available
- How to plans included.

DIMENSION LUMBER
ASSOCIATION GRADE STAMP

	8'	10'	12'	14'	16'	18'	20'
2"x4"	1.25	1.82	2.16	2.50	2.95	3.43	3.81
2"x6"	2.20	2.76	3.32	3.87	4.42	5.45	6.06
2"x8"	3.00	3.75	4.50	5.25	5.99	6.98	7.76
2"x10"	4.21	5.26	6.32	7.37	8.42	9.78	10.86
2"x12"	6.05	7.56	9.07	10.58	12.10	13.97	15.52

SQUARE BARN POLES
Pressure Treated

	10'	12'	14'	16'	18'	20'	22'	24'
4"x4"	5.54	6.62	7.64	8.78	—	—	—	—
4"x6"	—	12.15	13.45	16.16	18.25	25.65	—	—
6"x6"	—	16.95	18.69	22.45	28.79	33.89	41.45	47.25

2x6 Center Match Treated Boards

8'	10'	12'	14'	16'
3.85	4.79	6.19	7.22	8.25

S4S YP PRESSURE TREATED
Ask for Carter's Current Low, Low Prices.

	8'	10'	12'	14'	16'
2"x4"	2.03	2.60	3.41	3.95	4.64
2"x6"	3.02	3.92	5.12	5.57	6.89
2"x8"	4.59	5.75	7.55	8.29	9.55
2"x10"	5.79	7.85	9.99	—	13.49

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8'-6" Top $4.95

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- Easily installed
- Many Colors Available.

Horizontal White
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Custom Lengths Available at No Extra Charge

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7'	7.42	—	—	5.61	—	8.36
8'	8.48	10.72	12.02	6.41	8.94	9.56
9'	9.54	—	—	7.21	—	10.75
10'	10.60	13.40	15.02	8.01	11.17	11.95
11'	11.67	—	—	—	—	13.14
12'	12.73	16.08	18.02	9.62	13.40	14.34
14'	14.85	18.75	21.02	11.22	15.63	16.73
16'	16.96	21.43	24.03	—	17.88	19.20
18'	—	24.12	27.03	—	20.10	—
20'	—	26.79	30.04	—	22.33	—

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$9.29

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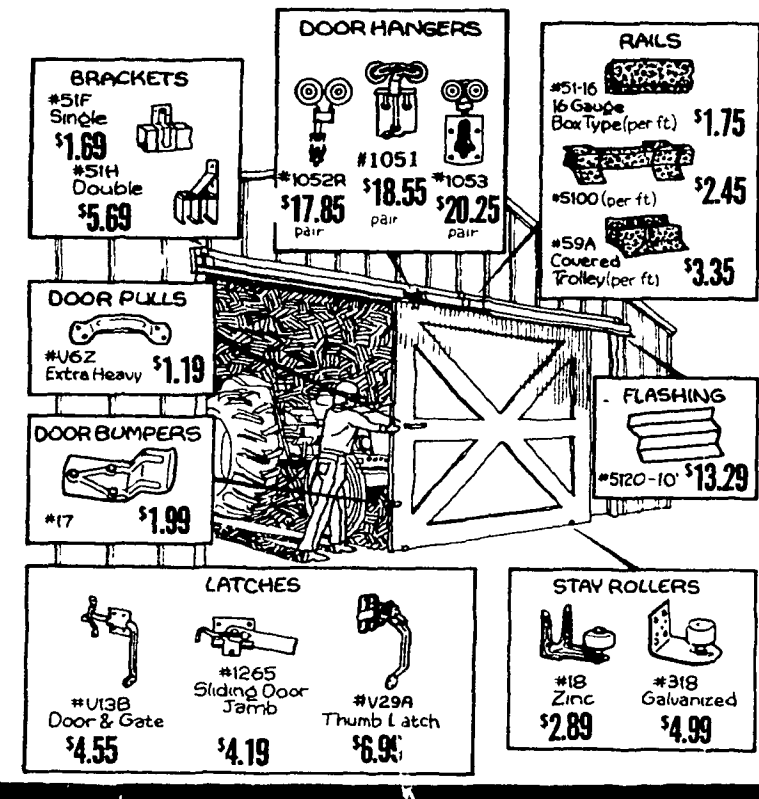
Carter Lumber stocks a broad line of quality controlled National hardware that gives years of trouble-free service.



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All Items Shown May Not Be In stock At All Locations

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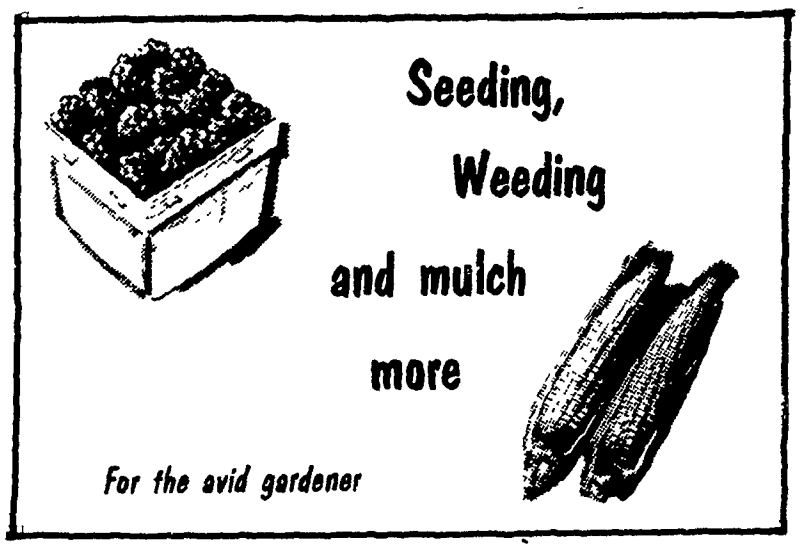


Hot weather gardening

Pulling weeds and laying down mulch are each as important as watering your garden during hot summer weather, says Charles A. McClurg, Extension vegetables specialist and associate professor of horticulture at the University of Maryland.

Weeds compete with your vegetables for available soil moisture, McClurg explained, while mulch conserves soil moisture by shading the ground.

A thick mulch also keeps down the weed population; and it helps heavy rains from sudden summer showers to soak into the soil, rather than runningoff — as they do on hard, sun-baked ground.

The Extension specialist recommends irrigating your garden infrequently — but thoroughly. This means about once a week during hot, dry weather. Make sure that you have water penetration to a depth of 6 to 8 inches.

Hot weather also causes many garden vegetables to mature rapidly, McClurg noted, so daily harvest is probably essential to assure top-quality zucchini, snap beans, sweet corn and other fast-growing vegetable crops.

Now is also the time to start planting fall gardens, the Maryland specialist commented.

Snap beans, beets, carrots and peas can all produce second crops before the first fall freeze in most parts of Maryland, if seeded by early August. Radishes can be sown until mid-September, and spinach — which likes cool weather — can be seeded between Aug. 1 and Sept. 5. Turnips should be sown by Sept. 1.

If transplants are available, broccoli, Brussels sprouts, cabbage, collards and head lettuce can all be planted until mid-August — except in extreme western Maryland and Pennsylvania.

Leaf lettuce for a fall crop can be sown anytime between July 15 and Sept. 1. But, since it does not germinate well in hot weather, you may wish to delay seeding until the Sept. 1 deadline is at hand.

Sometimes you hear that fall gardens are less prone than spring gardens to disease and insect problems. In reality, these problems can often be worse in the fall, McClurg declared. Insect pests such as flea bettles, cabbage worms and cabbage loopers are a good example.

So keep Sevin insecticide on hand to fight the flea beetles, and Biological controls such as Bacillus thuringiensis powder for controlling cabbage worms and loopers. Trade names for BT include Bactur, Dipel and Thuricide.

If the spot selected for your fall garden is infested with perennial weeds, including Canada thistle, you might want to kill the weeds with a glyphosphate herbicide like Roundup. Wait two weeks before planting or plowing. Such weed treatment is effective — but expensive — McClurg observed.

Seven youth receive Inter-State trip

SOUTHAMPTON — Seven teenage youth are embarking on a trip to Purdue University Aug. 1, courtesy of Inter-State Milk Producers' Cooperative.

President Robert B. McSparran announced that seven students have been selected for Inter-State sponsorship to the American Institue on Cooperation's annual institute Aug. 2-5 in West Lafayette, Ind.

The seven include James Rodgers, Gettysburg; Nancy Stoltzfus, Petersburg; Stephen Aument, Quarryville; Rusty Russell, Alexandria; Lynn Bullen, Middletown, Del.; Margaret Strong, Harrisonville, NJ; and Carla Eck, Henderson, Md.

The seven were selected based upon leadership, community activities and knowledge of cooperatives as evidenced by participation in state cooperative education seminars such as the Pennsylvania Association of Farmer Cooperatives summer institute.

These Inter-State representatives will join more than 500 other youth from across the nation in exploring such topics as cooperative principals, money management and market trends. More than 80 speakers and panelists will participate in this year's event, marked by the theme "Together We Can."

Sue Howes has ADvantage

(Continued from Page B2)

turn down any customers. Sue is currently working with her first beed customer, but she doesn't see the business growing in that direction. "I know the dairy business, so it's easy for me. I would like to stick with it for that reason."

She likes being her own boss and sees the operation remaining small for quite some time. However "the ADvantage" may be moving. The Centre County farm is for sale. The family wants to leave the fields of corn and alfalfa behind. They're not getting out of farming, but hope to concentrate on the dairy cattle and forget about the fieldwork.

Since they purchased the farm in 1974, the Howes have added two silos, a heifer barn and manure pit. The milk house was also reconstructed over the years, and the large farmhouse went through a remodeling period, too.

They settled at R. 1 Warriors Mark because Jay, a Pennsylvania Holstein Association employee for four years, liked the area. Sue says they hope to stay in the area or relocate in Lancaster.

Sue has known farming all her life and realizes it's hard to get started unless there is a farm in the family. She looks for their young sons to remain in some facet of agriculture. It's obvious they love the farm. "They think they run the place," jokes Sue. "If they aren't going to be around, they're sure the farm is going to fall apart." Justin and Travis are in the barn all the time watching. That makes their mother happy. "There's not a better place to raise kids."

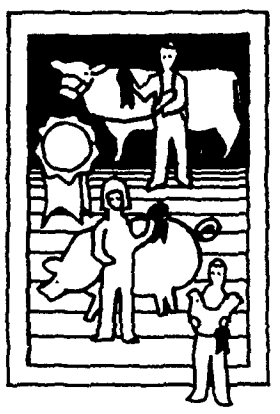
The Howes are exceptionally busy with the family, the farm, and each delving into a new business. "Somedays I wonder why we need so many things," laughs Sue. It may be hectic, but she still finds time to play at photography, gardening and jog 10 miles a week.

The young mother, farmwife and businesswoman doesn't take things for granted, either. "We have more than a lot of people our age do." She explains that they have capitalized on many good opportunities. "We're determined people. By looking for new things to do, we don't allow ourselves to get bored."

She continues to make plans for her advertising consulting business, but isn't wishing to become rich. "If I ever do, it'll take a long time. In the future I hope to have a lot more time to spend on it and become bigger and bigger."

For Sue Howes it's a way of fulfilling her creative needs. "I'm helping others in dairying and helping me at the same time."

LEBANON AREA FAIR DAYS



AUGUST 8 - 14, 1982

2 Miles South of Lebanon Plaza - Cornwall & Evergreen Roads

SCHEDULE of EVENTS:

Sunday, AUGUST 8th
- Ham Bar-B-Q 11:30 a.m. - 2:00 p.m.
- Judge Rabbits - 1:30 p.m.

Monday, AUGUST 9th
- Dairy Goat Show - 3:30 p.m. - Also Judge Poultry Exhibits
- Lebanon Co. Tractor Pull & 4-Wheel Drive - 7:00 p.m. ($2.00 - 12 & over)
- Centurians Quartet - 8:00 p.m. - 11:00 p.m.

Tuesday, AUGUST 10th
- 4-H & FFA Dairy Show (type) 9:00 a.m.
- Dog Obedience Show - 6:00 p.m.
- Dairy and Farmers Night - 7:00 p.m. (Calf Dressing, Hand Milking Contests, Bale Throwing, Tug O' War, Wheel Barrow Contests)
- Shorty Long and the Sante Fe Rangers 8:00 - 11:00 p.m.

Wednesday, AUGUST 11th
- 4-H & FFA Swine Show - 9:30 a.m.
- 4-H & FFA Beef Show - 1:30 p.m.
- 4-H & FFA Sheep Show - 5:30 p.m.
- Big Wheel Contests - 7:00 p.m. - 4 years and under - 5 years - 6 years - 7 years
- Western Square Dancing - Henry Ferri 8-11 p.m.

Thursday, AUGUST 12th
- Open Dairy Show - 9:00 a.m.
- 4-H Horse and Pony Show - 9:00 a.m.
- Chicken Bar-B-Q - 2:00 p.m. - 8:00 p.m.
- Leb. Co. Lawn & Garden Tractor Pull - 7:00 p.m. ($1.00 per person 12 years and older)
- 4-H Auction (all new merchandise) - 7:30 p.m.

Friday, AUGUST 13th
- 4-H & FFA Dairy (fit and show) Contest - 9:00 a.m.
- Class B State Sanctioned Tractor Pull & 4 Wheel Drive $4.00 per person at Gate - children under 12 free - 7:00 p.m.

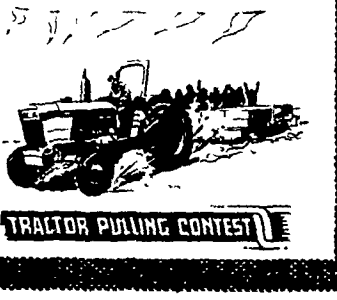
Saturday, AUGUST 14th
- 4-H Beef, Hog and Lamb Sale - 1:00 p.m.
- Demolition Derby 7:00 p.m. - Admission - $3.00 Adults 12 and over - under 12 Free
- Fireworks following Demolition Derby

PARKING: $1.00 per Car Monday, Tuesday, Wednesday, Friday

RIDES & AMUSEMENTS

ADMISSION: $1.00 per Person 12 and over Monday, Tuesday, Wednesday.

Senior Citizens, Free Admission with I.D. Cards



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Mattress and Foundation - Top of Line Merchandise
10 Year Warranty

24 Singles..... Reg. $349.95..... CASH PRICE $110.00 Set
60 Doubles..... Reg. $429.95..... CASH PRICE $149.00 Set
40 Queens..... Reg. $549.95..... CASH PRICE $189.00 Set

DON'T MISS THIS DEAL - TOP QUALITY & MOST GORGEOUS COVERS

CATALOG HOUSE GONE OUT OF BUSINESS...
WE PURCHASED ITEMS LISTED BELOW

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58 - Plant Stands...Reg. $32.85. $10.00
32 - Trivet Tables ...Reg. $69.00..... $20.00
173 - Butler Tables ...Reg. $82.85..... $20.00
33 - Bed Spread Racks ...Reg. $73.00..... $10.00
99 - Silver Plated Center Pieces w/Candle Hooder... Reg. $32.00..... $10.00
122 - Brass & Glass Candle Holders...Reg. $15.50.... $3.00
Brass Plates...Planters...Butter Dish... Pillows...Foot Stools...Apothecary Jars... Brass Lids...Many More Items...Don't Miss This...50%...Under Wholesale Costs
238 - Bar Stools... Heavy Duty...Swivel... Full Back Seat...Cain Sides & Back... Reg. $249.00-289.00..... $109.95
Lig. for Mfg...Best Buy Yet...
40 - Trestle Tables...4 Chairs...Pine...Reg. $309.95. $129.95
5 Pc. Solid Redwood...Chaise ...2 Chairs...2 End Tables ...Reg. $259.95..... $139.95
35 - 16" Fans...3 Speed... Oscillating..... $31.00
35 - 12" Fans...3 Speed... Oscillating..... $22.90
Patio Furniture...Wrought Iron...Swings... Chairs...Chaise...Ice Cream Tables...Large Selection...Great Savings
12 - Stereo...Juke Box...Wholesale
Just Received...Dealer Refused Because It Was COD
20 Sets Box Spring/Mattress/ Foundation...On Floor At Costs... Single...Double...Queen (1) King
12 - Pine Dining Room Tables...Reg. $409.95 ..... $179.95
Chests Lingerie...6 Drawer... White...Maple...Reg. $179.95 .. $79.95
4 - Drawer...Reg. $169.95 ..... $69.95
5 - Drawer...Reg. $179.95 ..... $79.95
6 - Drawer...Reg. $239.95 ..... $89.95
Some Unfinished Bed Rooms & Pieces
21 - 2 Door Walnut Wardrobe 36x63...Reg. $129.95 $30.00
24 - 2 Door White Utility Cab 36x63...Reg. 129.95 ..... $30.00
Catnapper Recliners...Close Outs From Factory...Great Savings
D M I Desks...Discontinued Models... Great Savings
Schweiger...Living Room Suites...Close Outs...Great Savings

600 - Sets or More Solid Wood H/B Maple ...Pine...Oak...252 Coil Mattress & Foundation...Hook On Hollywood Frame... 3/3....Reg. $249.95 ..... $89.95
60 - 2 Pc. Early American Living Room Suites... Reg. $1289.95-$1889.95..... $289.95
55 - 2 Pc. Sofa & Chair... Covered in Finest Fabric... Draylon...Reg. $1889.95 .... $329.95
4/6...Reg. $319.95 ..... $98.95
Hide-A-Beds...Sofa...Antron/Nylon Lamps...Clocks...End Table Sets...Bedroom Suites...Dining Room Suites... Pictures...Recliners...Rockers...Gun Cab... Corner Cab...
35 - 19" Color TV's... Remote...Reg. $589.95 ..... $349.95
40 - 19" Color TV's... Reg. $509.95 ..... $249.95
18 - 13" Color TV's... Remote...Reg. $469.95 ..... $279.95
35 - 13" Color TV's... Reg. $389.95 ..... $219.95
41 - Maple...Pine...Beds... Reg. $329.95 ..... $59.95 & $69.95
10 - Full Size Beds...Complete... Reg. $389.95 ..... $109.95 & $119.95
Pine...Maple...Beds...Single... Double...Queen... Reg. $169.95-$429.95 ..... $19.95 & $29.95
70 - bunk Bed Sets...Complete w/ Bedding...Pine...Maple ...Reg. $349.95...2x4 ..... $149.95
Reg. $309.95...2" Stock $129.95
Lancaster Store Only
The Following Mds. was a Large Dept. Store Chain Refusal
Dining Rooms...Hutches...Servers
11 - Pine...End Table Sets... Formica Tops...Reg. $249.95. $109.95

LANCASTER STORE ONLY
Commercial Rug...Rust & Blue...Only... Reg. $11.99 sq. yd. ..... $2.99 sq. yd.
100% Nylon... Color... Sandalwood...Sculpture... Reg. $11.99 sq. yd. ..... $3.99 sq. yd.
Nylon...Hook...Jute Back ...Reg. $8.50 sq. yd. ..... $2.50 sq. yd.
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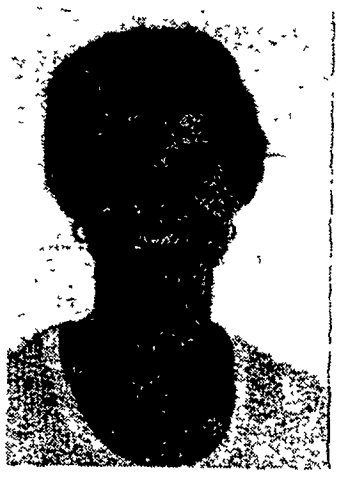


On being a farm wife - And other hazards

Joyce Bupp

If a survey was taken among farm families, it's likely one of the foremost reasons they'd give for their lifestyle preference is that a farm is one of the best environments in which to raise a child.

Farm backgrounds teach youngsters responsibility, the work ethic, and a respect for the awesome and unchangeable forces of nature guided by the loving hand of One higher than ourselves.

A recent Gallup poll, backed later by research from sociologists, confirmed that, among people who enjoyed working, a larger percentage came from farms.

An added bonus, as we see it, is that children get firsthand facts about the "birds and the bees." Fact is, we don't specifically teach sex education. We more or less live with it.

Strange as it may sound to non-farm parents, animal breeding and reproduction related problems are common topics of family conservation. Helping to deliver calves, selecting bulls for mating through artificial insemination, and running our young bull in with the heifers is just another chore on the farm.

What a shame that what's often just a ho-hum subject to farm youngsters is a subject too often learned by many children amidst only the whispered, and oft misinformed, giggles of their peers.

How well we remember the day our then four-year-old, reprimanded for removing his shoes at an inopportune moment, defended himself with the reasoning "but my feet were in heat." Today, twice as tall at ten, and a good deal more knowledgable, he records the reproductive cycling of his pet sow and escorts her for a visit with a neighbor's boar.

"I'm worried about Tigger," he confided Sunday evening as we fed the baby calves their bottles. Demonstrating with hands held just inches apart, he added: "He's this skinny."

It was the noisy, primeval yowling and howling that had punctuated recent nights and days that gave away Tigger's slimming-down secret.

"Tigger's problem is that he's been too busy chasing all our mother cats," I laughed.

Motherly instinct to preach a moral point surfaced.

"And that's what'll happen to you if you chase too many girls. You'll get so skinny a good strong wind will blow you away."

"Not me!" came the vehement I-hate-girls reply. "Maybe they're the ones that'll all blow away."

I'd sure rest easier about the next couple of years if there was any way to believe that.

Guernsey Assn. plans field day

LITTLE BRITAIN — The Pennsylvania Guernsey Breeders Association will hold its annual Field Day and Picnic at the Fred Crider farm, Little Britain, on Thursday, August 5, beginning at 10:30 a.m.

Three cow classes will be judged. Don Brown, of Apple Brook Guernsey, Oxford, will serve as judge.

Featured speaker will be Don Mahlandt, of Pennfield Corp., who will discuss "Economies of Raising Heifers.

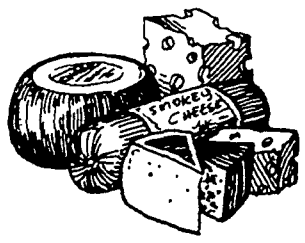
A calf will also be awarded to a lucky 4-H member in a drawing. Picnic lunch, including ice cream, is $3.25 per person.

Cowtown Rodeo

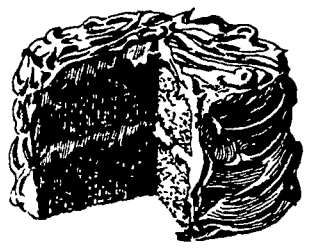
Cowtown, N.J.
"Cow Capital of the First Frontier"

Located on U.S. Route 40, eight miles east of The Delaware Memorial Bridge in Salem County.

Every Saturday Night7:30 Rain or Shine**
(Admission $4 Adults)($2 Children 12 and under)**
Free Parking**Refreshment Stands**
Group Rates Available: Call 609-769-3200



Home On The Range



Vegetables fresh from the garden

Vegetables, fresh from the garden, are as much a part of summertime as lemonade and swimming.

Nothing can quite top the taste of tomatoes and corn grown in your own garden. The same holds true for beans, cucumbers, lettuce and the list goes on.

If you're looking for a new way to serve a traditional summer treat, look below for a recipe that tempts you and help us celebrate Pennsylvania Food Products Month.

MUSTARD PICKLES

3 c. vinegar

Add water enough to make two quarts of juice.

1/2 c. dry mustard
1/4 c. salt
1 T. whole allspice
1/2 T. powdered alum
1/2 T. powdered saccarine

Heat pickles in juice. Do not boil. Pack in jars. Boil juice and pour over pickles and seal.

Rachel King, Lititz

STUFFED CUCUMBERS

3 large cucumbers
1 8-oz. pkg. cream cheese, softened
3 T. finely minced onion
1/2 t. paprika
salt
ground black pepper
1 c. finely chopped parsley
lettuce leaves

Trim the ends off the cucumbers and cut them into 1 1/2 inch lengths. Peel the skin off one half of each segment. Remove the seeds from the center of the sections about two-thirds of the way down, leaving the bottom intact. Turn the cucumber shells upside down to drain.

Whip the cream cheese until it is fluffy. Add the onion, paprika, and salt and pepper to taste. Form the mixture into enough small balls to fill the cucumber shells. Roll the balls in the chopped parsley and put one in each cucumber shell.

Line six small serving plates with lettuce leaves and distribute the stuffed cucumbers among them. Serve very cold.

STRING BEANS WITH ALMONDS

1 lb. string beans, trimmed
1/2 t. dried winter savory, or lemon juice to taste
salt
3 T. butter
freshly ground black pepper
1/3 c. toasted almond slices

Cook the beans with the savory in a large pot of boiling salted water until they are just tender, aout 5 minutes. The beans should still be quite firm. Drain, refresh under cold running water, and drain again.

Melt the butter in a frying pan and add the string beans. Season with salt and pepper to taste. Cook and toss until hot. Sprinkle with the toasted almonds and serve at once.

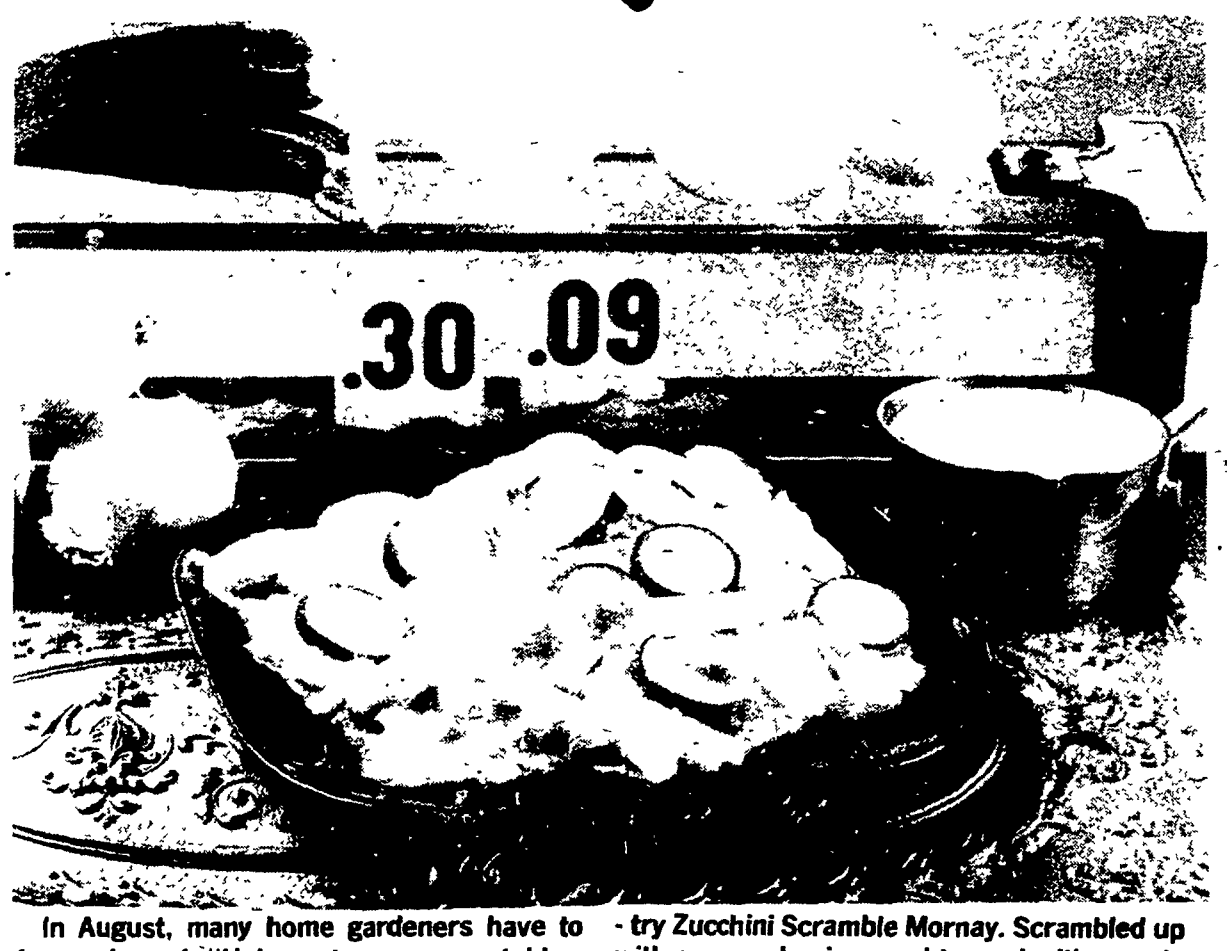
ZUCCHINI SCRAMBLE MORNAY

1 med. zucchini, sliced
1 small onion, sliced
1 T. butter
8 eggs
1/2 c. milk
1/2 t. salt
1/2 t. basil leaves, crushed
1/4 t. pepper

Prepare Mornay Sauce (below). Keep warm.

In 10-inch omelet pan or skillet over medium heat, cook zucchini and onion in butter until lightly browned, about 5 minutes.

Mix eggs, milk, salt, basil and pepper until blended. Pour over zucchini and onion. As mixture begins to set, gently draw an inverted pancake turner completely across the bottom and sides of pan, forming large soft curds. Continue until eggs are thickened but still moist. Do not stir constantly. Serve with Mornay Sauce.



In August, many home gardeners have to face cries of "Ugh, not more vegetables, Mom!" If you're looking for new ways to serve some of your favorite vegetables - like zucchini - try Zucchini Scramble Mornay. Scrambled up with eggs and onions and topped with a zesty cheese sauce, zucchini takes on a whole new personality.

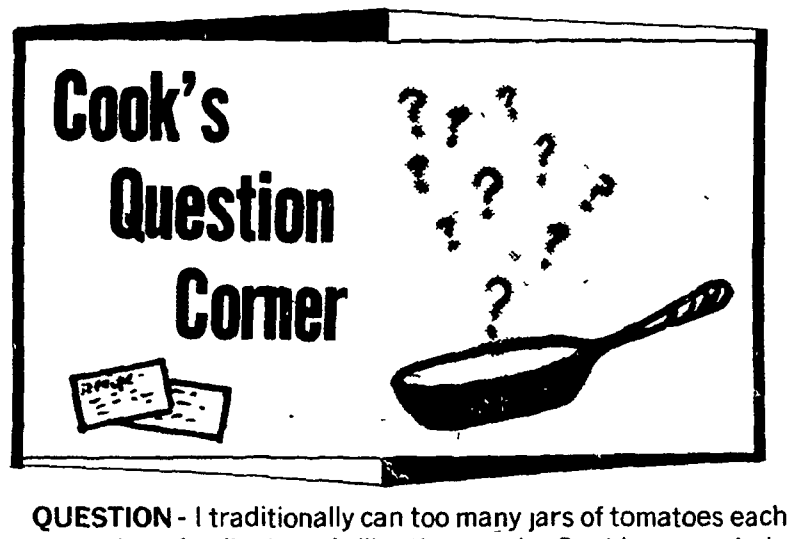
If is better to remove scrambled eggs from pan when they are slightly underdone. Heat retained in eggs completes the cooking.

Mornay Sauce

1 T. butter
1 T. flour
1/2 c. milk
1/4 c. shredded Swiss cheese
1 T. grated Parmesan cheese
1 T. lemon juice, dry white wine

In small saucepan over medium heat, melt butter. Blend in flour. Cook, stirring constantly, until mixture is smooth and bubbly. Stir in milk all at once. Cook and stir

(Turn to Page B8)



QUESTION - I traditionally can too many jars of tomatoes each year, and my family doesn't like them as is. Could anyone help me with recipes for home canned tomatoes?

Christine Jefferson
Gettysburg

NOTE - We're still looking for answers to the following two questions:

QUESTION - When I was a child my mother would buy stale cakes from the baker and make a sheet cake that looked and tasted like brownies. Can anyone help me locate this recipe?

S. Cacciutti
Bala Cynwyd

QUESTION - Does anyone have a good recipe for making sausage, scrapple or puddings when butchering a pig? I would really appreciate explicit directions as I have never before made any.

Mr.s Glenn Miller
Honesdale

Recipe Topics

July	
31	Vegetable dishes
August	
7	Ice Cream
14	Chocolate Yummies!
21	Splurge with calories

Laugh at dog days by planning your meals around cool-to-cook-and-eat foods. Egg and Orange Spinach Salad is a unique and delicious refresher combining crisp spinach, sweet-tart orange slices and crisp water chestnuts with sunny hard-cooked eggs to provide needed protein.

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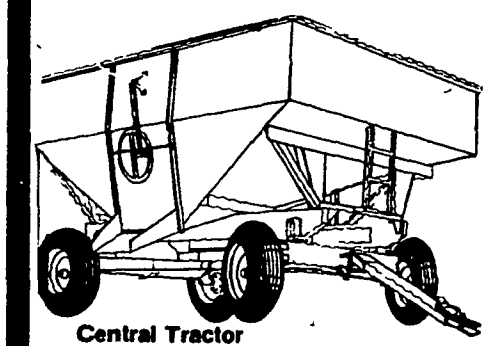

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9.5L x 15" 8 Ply Hi-Flotation Tires

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Reg. 2.77 / SAVE 21%
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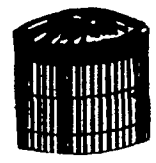

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14' Silo Cap	12980-257 Reg. 6.49	5.29
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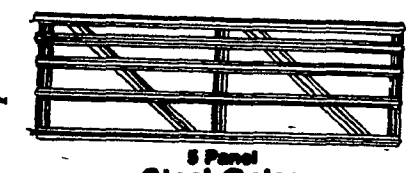
24' Silo Cap	12985-257 Reg. 18.19	14.99



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Reg. 2.85 / SAVE 10%
24877-282
6' Steel "T" Post

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59¢ each
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Steel Rod Elec. Fence Posts
48" long, made of 11½" steel

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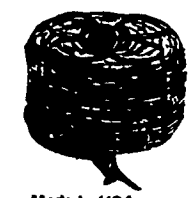

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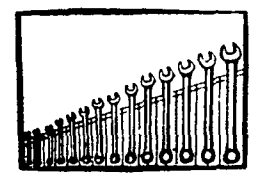

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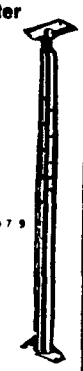

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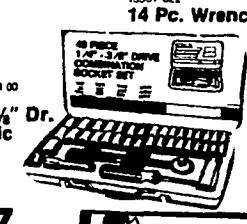

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Up to 2500 psi. 16" cylinders have 31½" retracted length, 24" stroke. cylinders have 34½" retracted length. 4" cylinder has 13½" rod end 34¼" retracted length.

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3½" x 24"	6508-017 Reg. 124.99	114.99
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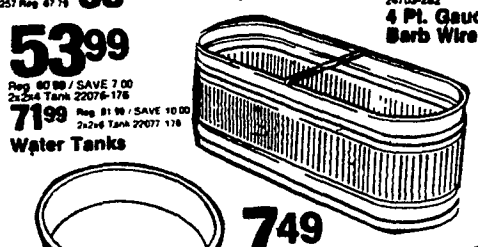
4" x 24"	6501-017 Reg. 139.99	129.99



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Hog Pan
15" diameter 3½" high. Galvanized steel rolled edges.

Barn Door Track

For doors weighing up to 400 lbs. Heavy galvanized coating. 16 gauge steel 1¾" wide 2" high.

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Category 1 Drawbar

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5 Gallons Driveway Coating

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5 Gallons 14012 272
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Vegetables from the garden

(Continued from Page B6)

until mixture boils and is smooth and thickened. Remove from heat. Stir in cheeses until melted. Blend in lemon juice.

Martha Detterline, Philadelphia

EGG AND ORANGE SPINACH SALAD

1 lb. fresh spinach
2 oranges
1/3 c. salad oil
3 T. vinegar
1 T. sesame seeds, toasted
3/4 t. celery salt
1/4 t. dry mustard
6 hard-cooked eggs, sliced
1 can sliced water chestnuts, drained

Wash spinach thoroughly in lukewarm water. Drain. Chill to crisp. Peel and section oranges, reserving 1 to 2 T. juice for dressing. Set aside. Combine reserved orange juice, salad oil, vinegar, sugar, sesame seeds, celery salt and mustard. Beat until blended and sugar has dissolved. Tear chilled spinach into bite-sized pieces. Place in large salad bowl. Add egg slices, reserved orange sections and water chestnuts, if desired. Toss gently to mix. Pour dressing over all. Toss gently until ingredients are evenly coated with dressing.

STUFFED TOMATOES

3 large tomatoes
1/2 c. bread crumbs
1/2 t. salt
pepper
1 small onion, chopped fine
parsley, chopped
3 oz. sharp cheese, grated
3 T. butter, melted

Cut tomatoes in half diagonally. Scoop out pulp in bowl and mix in other ingredients. Stuff tomato shell. Broil 8 inches from heat, 7 to 10 minutes.

VEGETABLE MIX

1 carrot
10 mushrooms
10 snow pea pods
10 baby corn
6 asparagus
2 c. broccoli
1 bamboo shoots
2 t. salt
1 t. sugar
2 T. cornstarch
5 T. oil
1/2 c. soup stock
1/2 t. chicken grease

Remove shells from vegetable, clean and devein, cut into thin slices.

Boil 1/2 soup stock and cook 15 minutes. Heat frying oil until medium hot. Put vegetable mix together and add other ingredients. Remove to serving plate and serve.

IMPCO elects YC committee officers

Three couples have been elected new officers of the Inter-State Young Cooperator Consultant Committee to serve three year terms. From left to right the members are: Bob and Susan Winner, Moorestown, N.J. chairman of the 15-couple committee; Dan and Jacqie Leer, York Springs, vice chairman; Dale and Joyce Peifer, Kirkwood, secretary.

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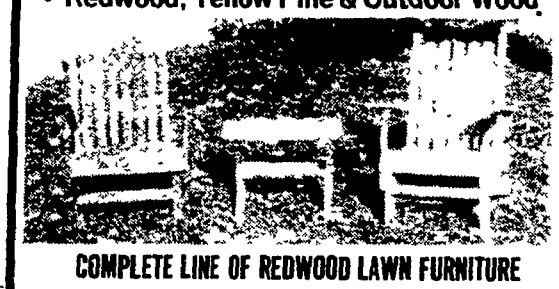

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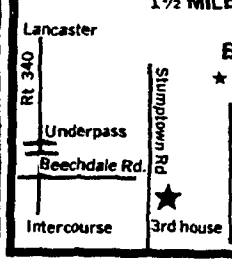

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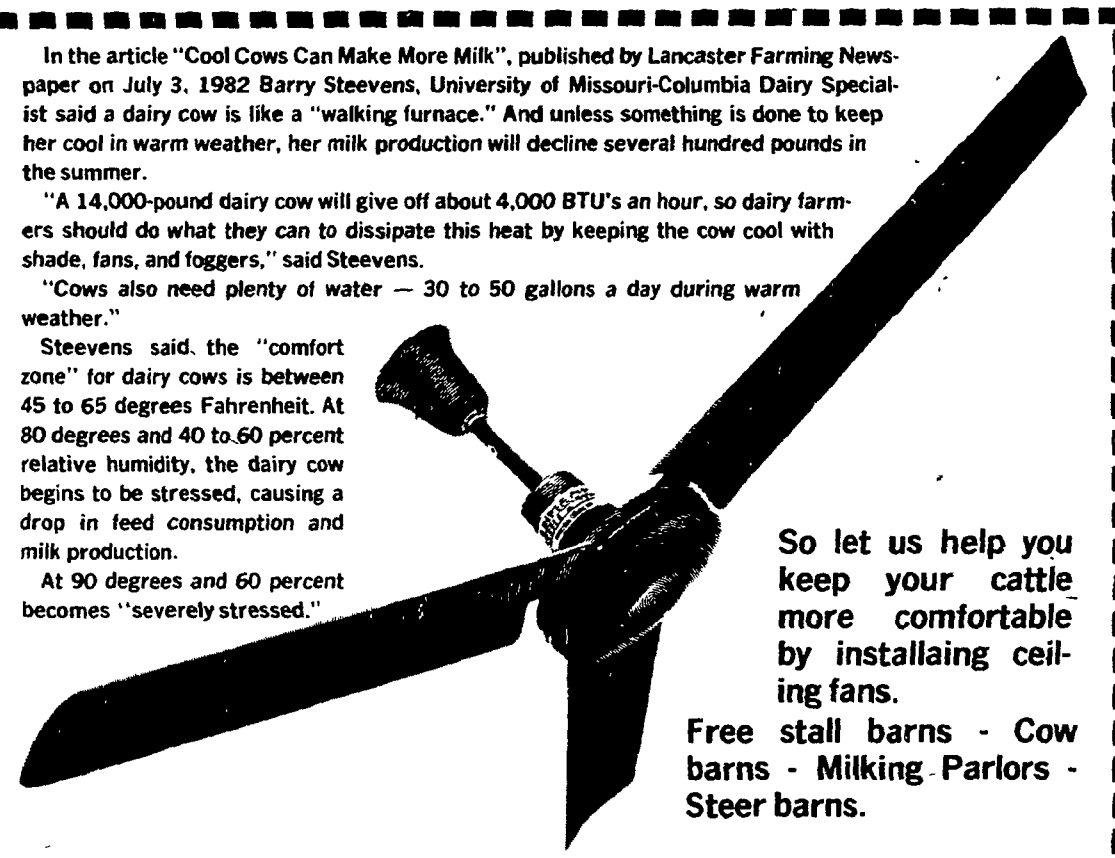
In the article "Cool Cows Can Make More Milk", published by Lancaster Farming Newspaper on July 3, 1982 Barry Steevens, University of Missouri-Columbia Dairy Specialist said a dairy cow is like a "walking furnace." And unless something is done to keep her cool in warm weather, her milk production will decline several hundred pounds in the summer.

"A 14,000-pound dairy cow will give off about 4,000 BTU's an hour, so dairy farmers should do what they can to dissipate this heat by keeping the cow cool with shade, fans, and foggers," said Steevens.

"Cows also need plenty of water — 30 to 50 gallons a day during warm weather."

Steevens said the "comfort zone" for dairy cows is between 45 to 65 degrees Fahrenheit. At 80 degrees and 40 to 60 percent relative humidity, the dairy cow begins to be stressed, causing a drop in feed consumption and milk production.

At 90 degrees and 60 percent becomes "severely stressed."



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Ida's Notebook

Ida Risser

As we traveled west through Wyoming we saw lots of arid land that was not farmed. There were many mountains covered with evergreen trees and outcroppings of rock reaching skyward.

The Tetons in the northwestern part of the state are quite impressive with their snow topped heights. They rise majestically from grassy plains and are a paradise for photographers.

Our next stop was Yellowstone National Park. It is well-known for the geyser "Old Faithful." We were privileged to see it erupt twice to a height of 130 feet. Each eruption discharged up to 7500 gallon of boiling water on an hourly basis.

There are many other things to see in this park too. The Upper and Lower Falls thunder off cliffs and drop over 300 feet sending a foamy, misty spray against green moss walls of the canyon.

It was 55 degrees at 8:30 a.m. as we drove from place to place in this, the largest of National Parks. In the area of the "mud pots" there was an odor of rotten eggs as hydrogen sulphide gas sizzled and steamed through openings in the earth with a guttural sound. It looked like thick cornmeal mush cooking.

We also saw herds of elk, buffalo and even antelope throughout the park grazing on the lush grass. I thoroughly enjoyed the variety of flowers with their colorful blossoms along the roadside. One day was spent in the park driving over some of the 300 miles of road that loop through the 2.2 million acres. Our motel that night was in Montana as everything nearby was filled. The next morning there was frost on the car.

The following day was spent driving west through Montana, Idaho and the state of Washington. The fields that were irrigated contained green alfalfa but most of them had yellow wheat only a few inches high. Somehow a stone managed to fly up and break our windshield near Butte, Montana. However the crack didn't keep us from seeing the many clusters of bee hives in the dry fields and the herds of horses.

Our daughter and family were glad to see us when we arrived in Seattle on Friday night.

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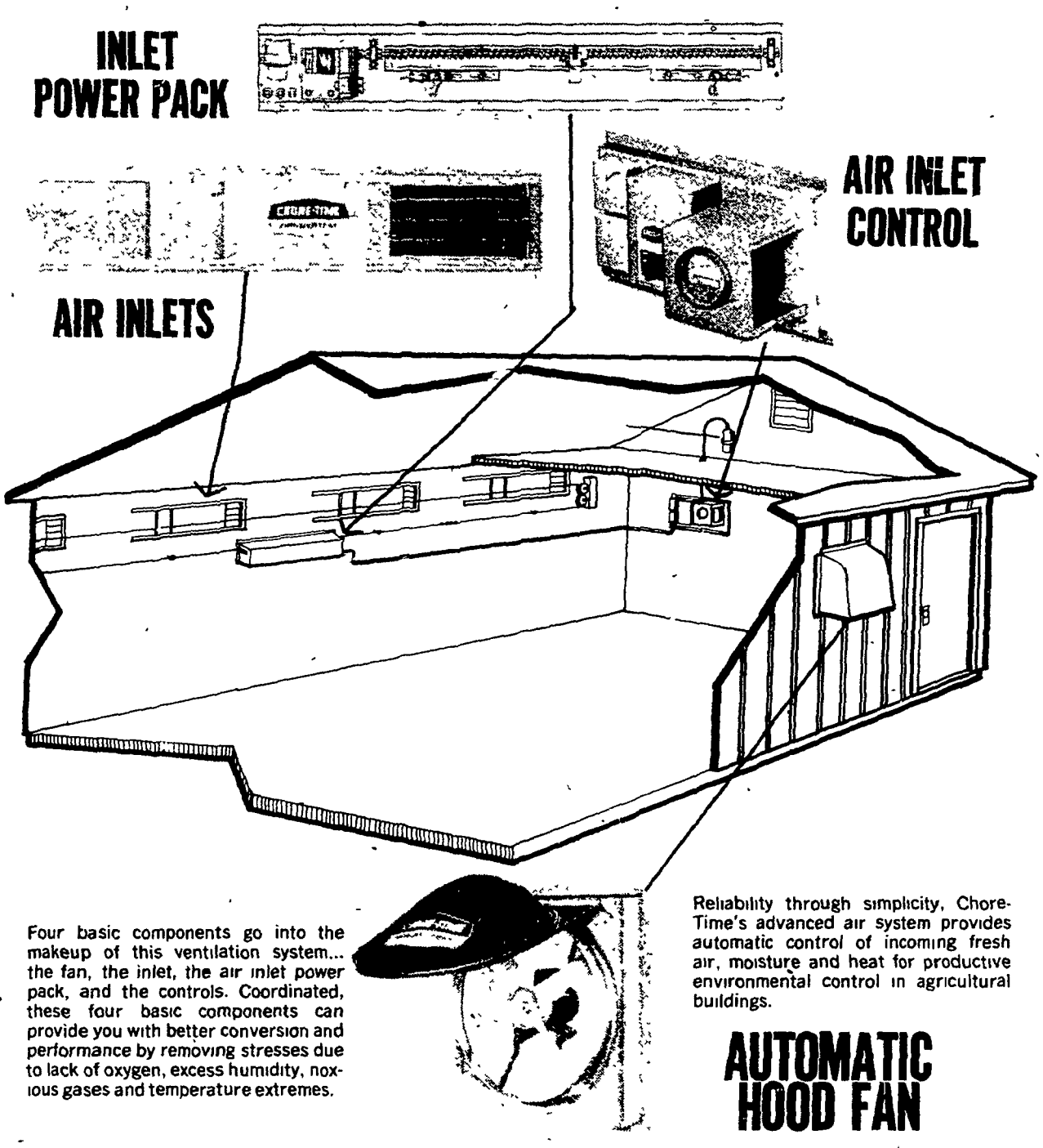

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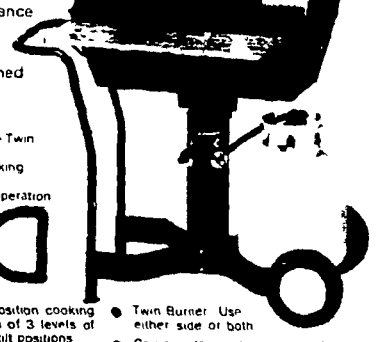

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Keep your pets cool this summer

LANCASTER — Hot weather can be difficult for dogs and cats. To avoid sunburn and more seriously, heat stroke, give your pet a cool, shady spot and plenty of fresh water.

Exercise your pet in the early morning or the evening rather than at midday. Hot sidewalks can burn a pet's tender footpads, and too much exercise when it's hot can put a strain on the pet's ability to get rid of excess body heat.

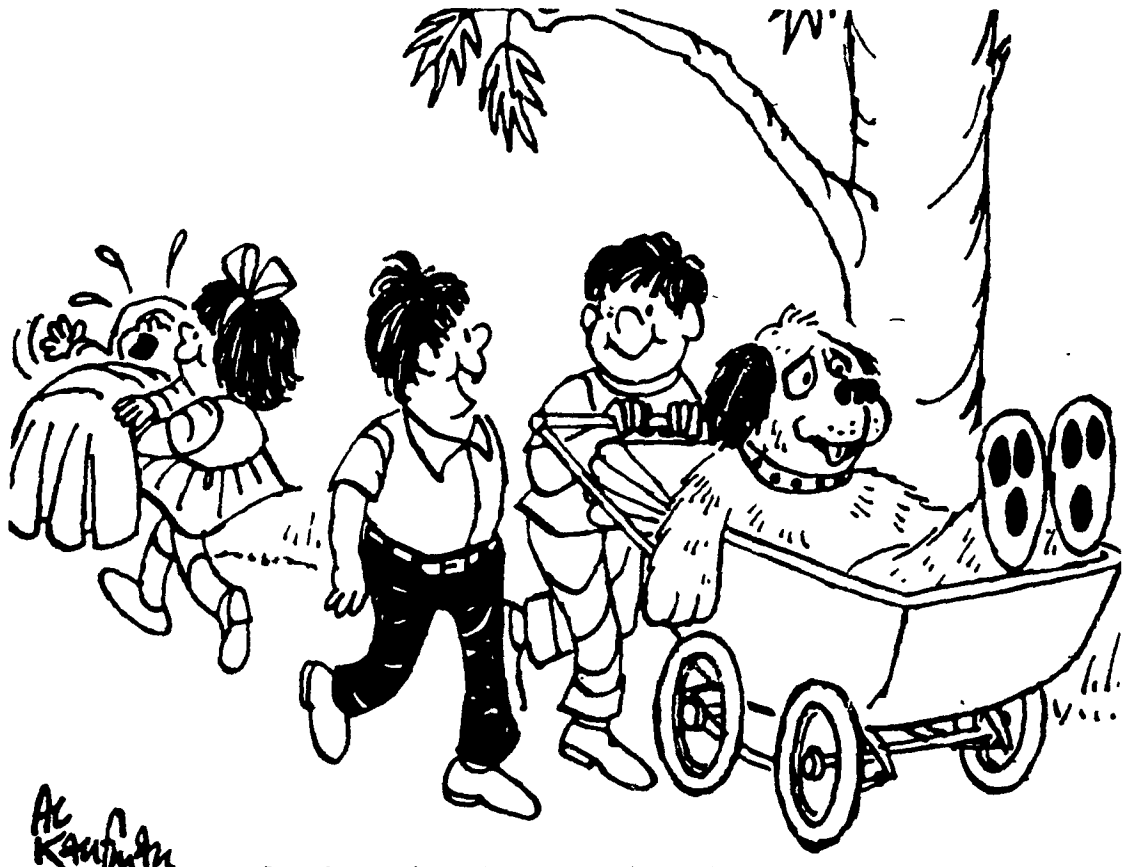
Confining a pet in a parked car can be very dangerous, but if you must do it, make sure you're parked in the shade and open all windows as far as you can without permitting the animal's escape. Even with these precautions it is necessary to check the animal every few minutes for signs of heat distress.

The worst heat-related problem that could befall your pet is heat stroke, which can be fatal if not treated immediately by a veterinarian. Signs include panting and salivating, a rapid pulse rate, a wide-eyed, anxious expression, fever, vomiting, and dizziness or fainting.

If your pet seems to be suffering from heat stroke, get it into the shade and spray it or immerse it up to its neck in cool — not ice cold — water. Also massage the animal to keep up circulation. Contact your veterinarian immediately for further instructions.

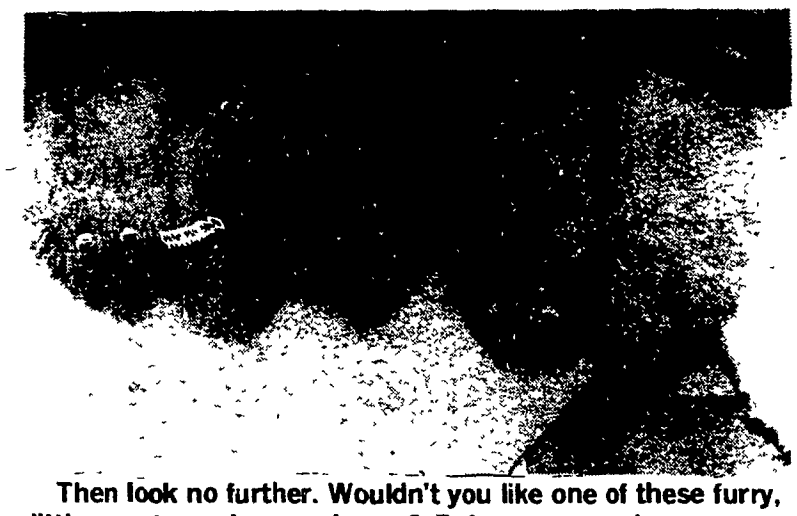
Meckley says it is not a good idea to give a dog or cat a shorter-than-normal summertime haircut, since an animal's coat insulates against the heat as well as the cold. Animals normally shed during hot weather, so regular brushing keeps them well groomed and also helps you spot fleas and ticks.

Keep your animals comfortable and healthy this summer by paying attention to their special summertime needs.



"Boy, I gotta hand it to you, Jeffrey. You sure got the best in THAT trade!"

Looking for an unusual pet?



Then look no further. Wouldn't you like one of these furry, little creatures in your house? Before you read any more, guess what these little animals are...Well, we tricked you because they aren't living creatures. They are "squiggles" a new product offered to sheep breeders by The Shepherds Hut, a commercial exhibitor at the Pennsylvania Field Day recently. These little furries are all female, we were informed.

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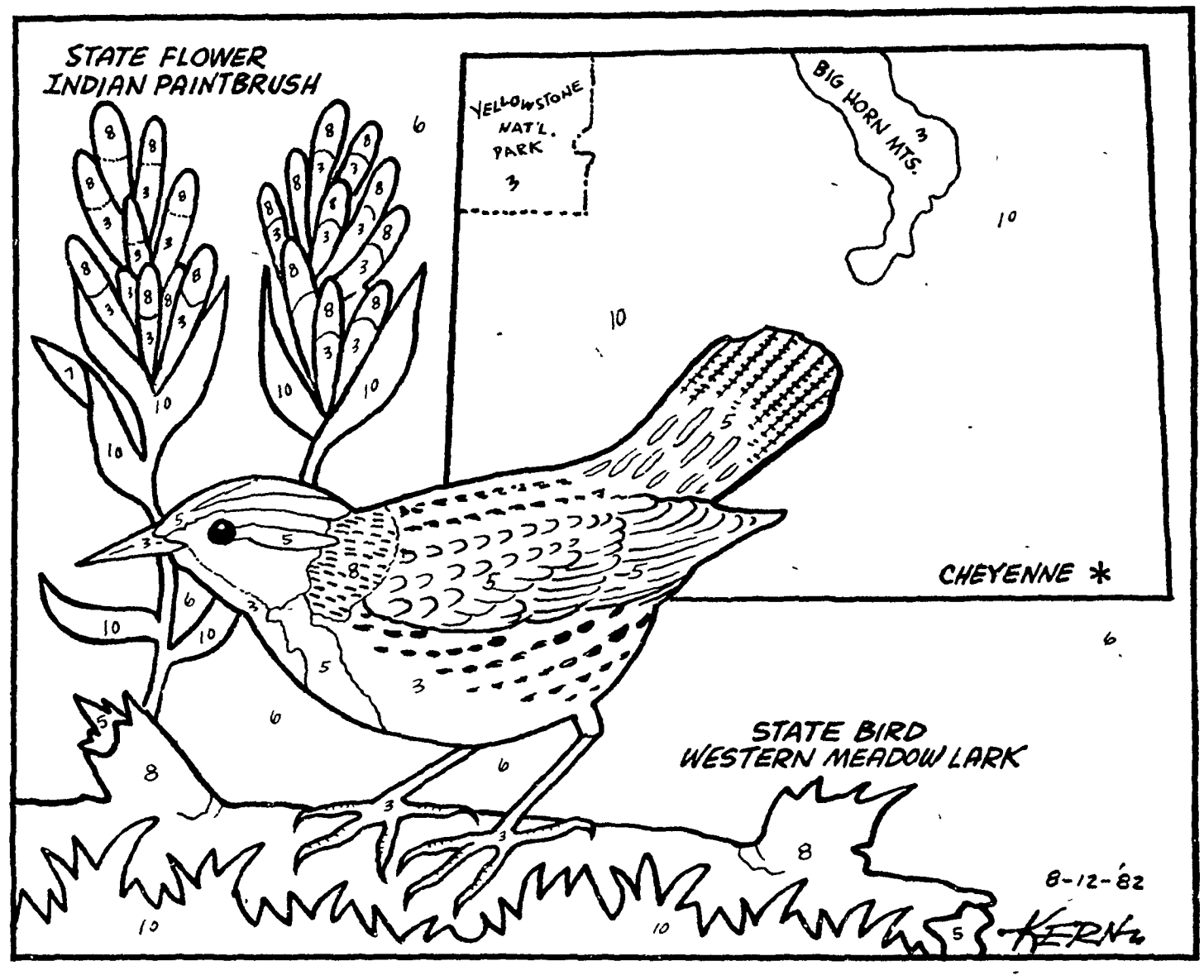

Farm Women Societies

Lancaster Co. Society 2

Lancaster Farm Women 2 toured the Weaver Company in New Holland and Crown Kitchen in Leola recently.

Members voted to make a donation to the 4-H IFYE program.

Society 2 will be traveling to Adams County on October 2 to view the annual apple festival.

All Lancaster County Farm Women will hold a picnic at Lampeter Park on August 3.

Lancaster Co. Society 14

Lancaster Farm Women 14 met with families at the Tinny Pavilion in Strasburg, July 8, for a picnic.

Entertainment was provided by Ben Kreider who offered poems and music and by Alvin Sweigert who showed slides on a "Hunting trip with scripture."

The next meeting will be held August 11 in a meadow on the home of Ruth Longenecker.

Lancaster Co. Society 27

Lancaster 27 entertained Society 19 and county officers at a toss salad luncheon at Brubaker's Springhouse recently.

Berks Co. Society 9

Berks Farm Women 9 met at the home of Sue Hendricks on July 14.

Guest speaker for the evening was Debbie Price, Berks County dairy princess who spoke on nutrition.

Members plan a family picnic at the Daniel Boone Homestead on August 1.

The September meeting will be held at the home of Nancy Lehman at 8 p.m. and will feature flower arranging instruction by Kim and Jeanne Casner.

Fulton Grange 66

Fulton Grange 66 held their latest meeting on July 26 at the Oakryn Grange Hall.

Lecturer Dorothy Stauffer presented a program by children of Grange families entitled, "If they weren't at Grange tonight."

The Grange will hold their annual picnic on the hall grounds, August 9. Members are asked to bring their own place settings, a meat dish and another dish.

York Co. Society 26

York Farm Women 26 met recently at the home of Naomi Cashner for their monthly meeting.

The Society will be entertaining Society 32 at their August picnic.

Members plan to hold their Christmas banquet at the Strinestown Fire Company on December 4.

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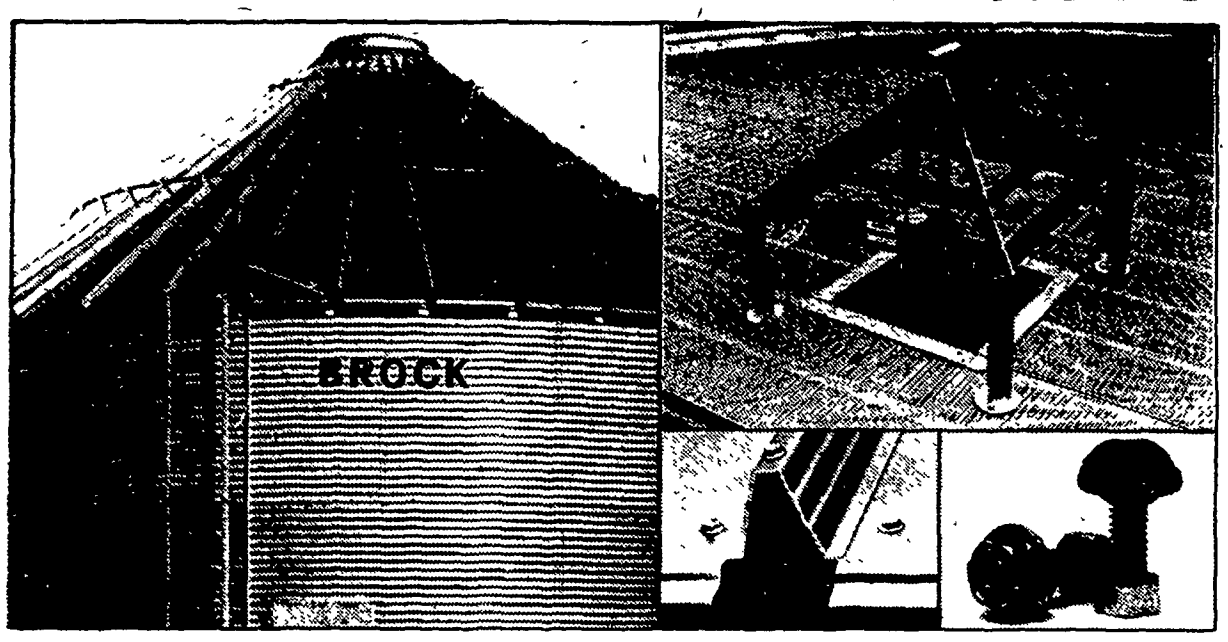

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Wayne Co. features fitting, showing demonstrations

LEDGEDALE — A Wayne County 4-H beef fitting and showmanship demonstration was held Saturday, June 26 at the Laurel Ridge Farm of Don Januszewski, here.

Four-H and FFA members, beef club members, and parents all had opportunity to learn preparation and showing of beef cattle in shows.

Guests speakers for the event were Sam and Gail Hunter of Hackleberry Hall Farms in Smithsburg, Md., and John and JoAnn Hausner of J.D. Polled Herefords of Dover, Pa.

Topics covered were washing and clipping of beef steers, bulls and heifers. Members had opportunity to clip a heifer and gain experience. A discussion on hair care and hoof trimming followed.

For the afternoon's session, members participated in a showmanship contest. Judge JoAnn gave placings and reasons for selections.

The day ended with Sam Hunter advising members on selection of animals with today's market requirements in mind.

Four-H, FFA and beef club members had opportunity to participate in a mock showmanship contest at the fitting and showmanship work day in Wayne County, recently.

The Wayne County beef fitting and showmanship day held at the Laurel Ridge Farms in Ledgedale, recently, featured workshops on grooming, clipping, showing, hoof trimming and hair care. Featured speakers were Sam and Gail Hunter of Hackleberry Hall Farms in Smithsburg, Md., and John and JoAnne Hausner of Dover, Pa.

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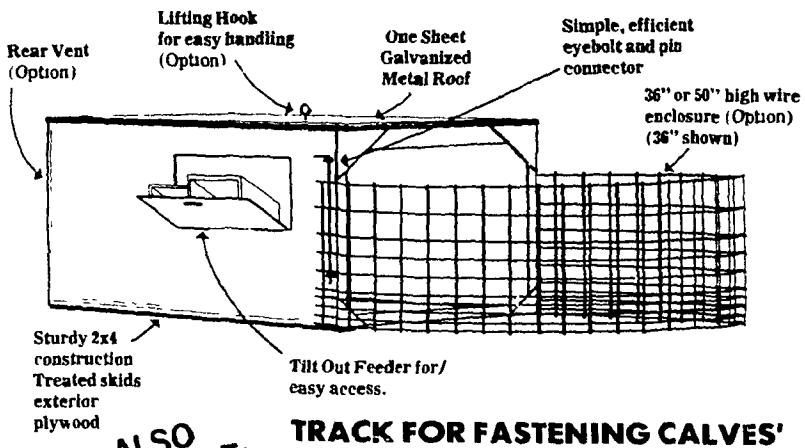
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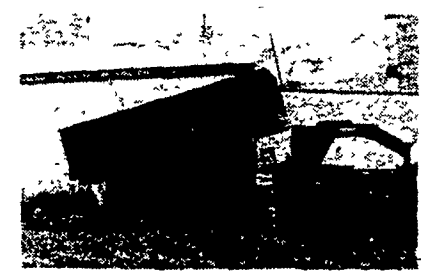

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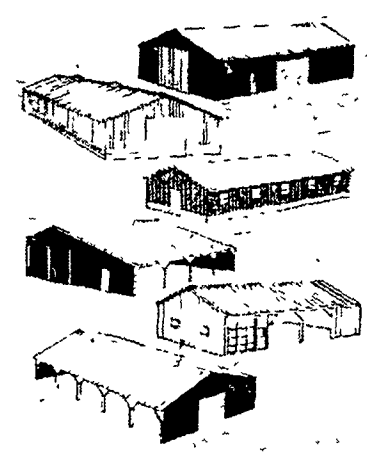

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Jersey Youth Seminar held

HAMBURG — The annual Jersey Youth Seminar, held this year at Long Meadows Farm here, attracted 37 junior Jersey breeders from all areas of Pennsylvania.

The two-day event, sponsored by the Pennsylvania Jersey Cattle Club, was held on July 2 and 3.

On Friday the juniors took a test on the care of dairy cows and facts about the Jersey breed. The highest scorer in the junior division (14 years and younger) was Helen Arrowsmith of Peach Bottom. The winner of the senior division (15 and up) was Patty Dreisbach of Hamburg. Each received a leather halter.

James Shaw, Holstein breeder from Oley, conducted three educational sessions. The first was a judging workshop. The participants placed a class of Jersey two-year olds.

All seniors were asked to give oral reasons on the class to the rest of the group. The second session was a clipping demonstration. Pointers were given on leveling toplines and sharpening withers with clippers. Participants tried their skills under Shaw's guidance. How to choose a show calf and what to look for when buying a heifer was the topic of the last session.

James Shaw, Holstein breeder from Oley, explains the finer points of oral reasons to the 37 junior Jersey breeders at their annual seminar.

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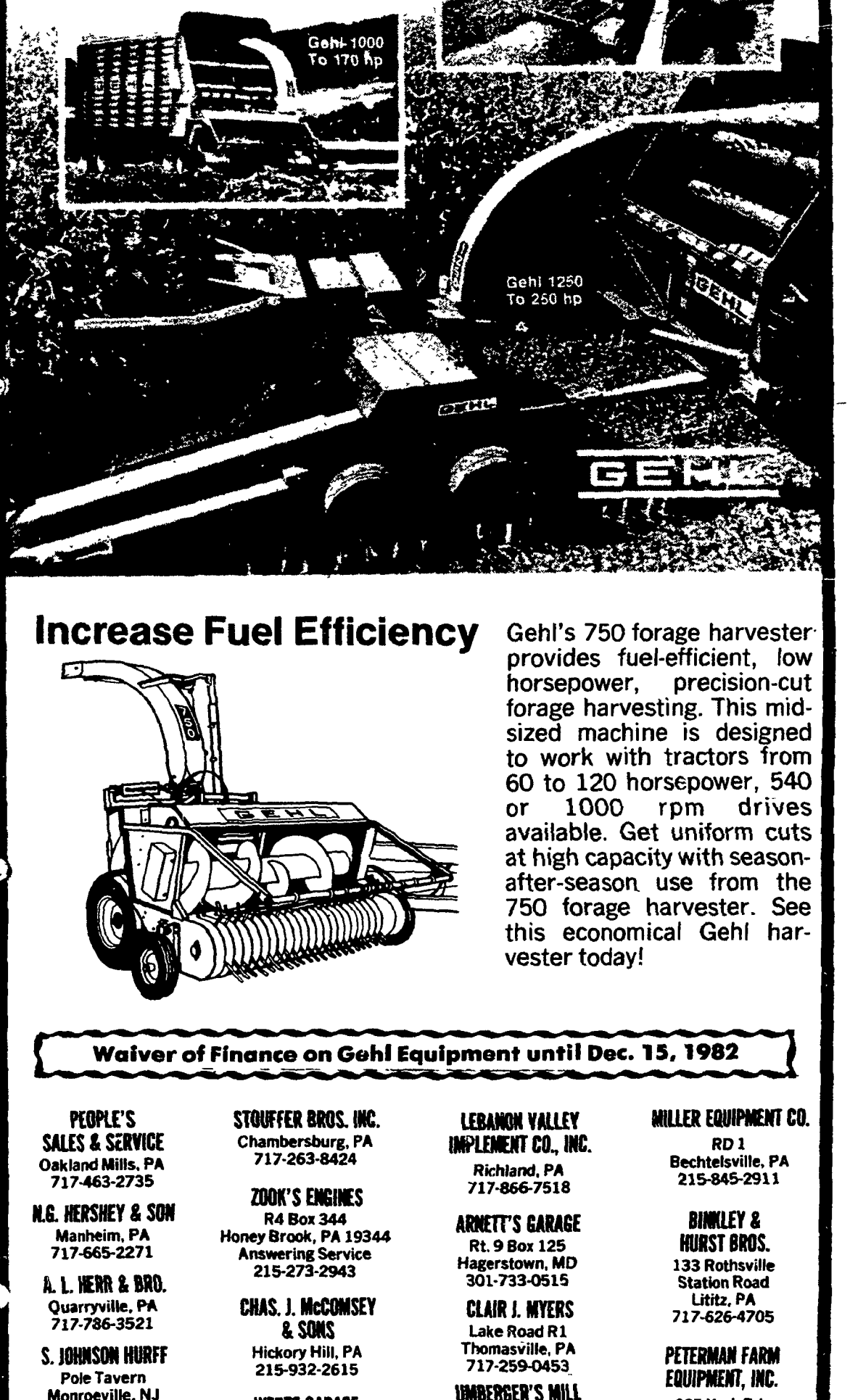

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Pennsylvania is second in the nation in all frozen dairy products, ice cream and ice milk; third in the

(Turn to Page B15)

Pa. Livestock

PRODUCT	TOTAL PRODUCTION	VALUE OF PRODUCTION	PER CAPITA CONSUMPTION	PEOPLE SUPPLIED	PERCENTAGE OF PA'S POPULATION SUPPLIED
BEEF	470,000	Production of Beef & Veal total-	78 lbs.	3,864,000	32.5%
VEAL	295,000	$309,863,000	1.7 lbs.	14,674,000	100+236%
PIGS	1,255,000	134,847,000	69.1 lbs.	2,516,000	21%
LAMBS & MUTTIN	54,000	3,151,000	1.4 lbs.	1,801,903	15
CHICKEN	553,674,000	154,000,000	51.2 lbs.	8,651,155	72.9%
TURKEYS	5,680,000	48,500,000	10.6 lbs.	8,144,906	68.6%
EGGS	4,268,000,000	$213,000,000	282 eggs	15,135,000	100+27.5

Pa. Fruits and Vegetables

PRODUCT	TOTAL PRODUCTION	VALUE OF PRODUCTION	PER CAPITA CONSUMPTION	PEOPLE SUPPLIED	PERCENTAGE OF PA'S POPULATION SUPPLIED	NATIONAL RANKING
FRUIT						
APPLES	400,000,000 lbs.	$ 44,400,000	25.5 lbs.	15,686,275	100+32%	6th
PEACHES	65,000,000 lbs.	11,440,000	10.2 lbs.	6,372,549	53.7%	5th
PEARS	3,000 tons	912,000	4.3 lbs.	1,395,349	11.8%	8th
Total Fruit (incl. tart & sweet cherries & grapes)		$ 72,090,000				
VEGETABLES						
SNAP BEANS	17,000,000 lbs.	$ 4,216,000	7.9 lbs.	2,151,899	18%	6th
SWEET CORN	86,900,000 lbs.	10,776,000	14.96 lbs.	5,808,824	49%	4th
CABBAGE	54,700,000 lbs.	4,896,000	8.8 lbs.	6,215,909	52%	10th
TOMATOES	57,600,000 lbs.	8,467,000	32.6 lbs (fresh & canned)	1,766,871	15%	6th
Total Veg. (excluding potatoes)		$ 38,878,000				
POTATOES	525,000,000 lbs.	$ 34,125,000	62 lbs.	8,467,741	71%	13th
MUSHROOMS	237,463,000 lbs.	147,531,000	2.5 lbs.	94,985,200	100+700%	1st
EGGS	4,268,000,000 eggs	213,000,000	282 eggs	15,135,000	100+27.5%	3rd

August is Pennsylvania Food Products Month

HARRISBURG — A major effort to increase consumer awareness and promote sales of Pennsylvania food products was announced by State Agriculture Secretary Penrose Hallowell, recently.

"August has been designated as Pennsylvania Food Products Month," he said. "The state's agriculture, agribusiness and related food industries will be joining to promote Pennsylvania foods across the state in retail stores, farm markets, malls, fairs and special events."

Hallowell said this was the first time such an effort has been planned to promote all Pennsylvania food products at one time. "The 'We're Growing Better' logo campaign is gaining recognition among consumes and the industry alike," he said. Pennsylvania agriculture is a $25 billion industry which plays a major role in our efforts to boost economic development.

According to Hallowell, "Representatives of our agricultural industries suggested the idea of setting aside a month for such an educational effort. August was selected as an appropriate time, when the bounty of Pennsylvania's fruit and vegetable harvests are at a peak.

"Last year, sales under the logo campaign totaled nearly $200 million. This year we hope to improve that figure and make a concentrated effort to acquaint Pennsylvania consumers with the great diversity and availability of Pennsylvania grown and processed foods," he said.

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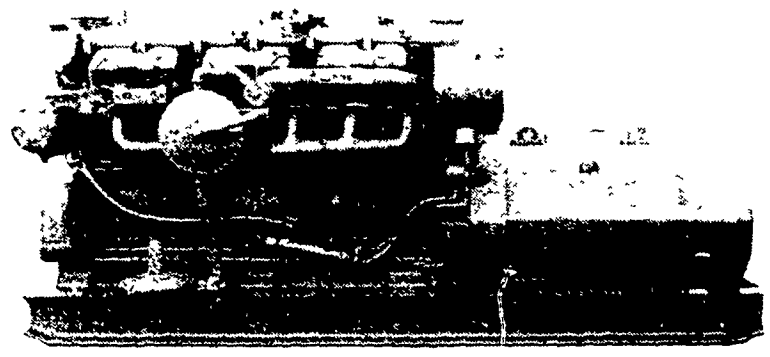

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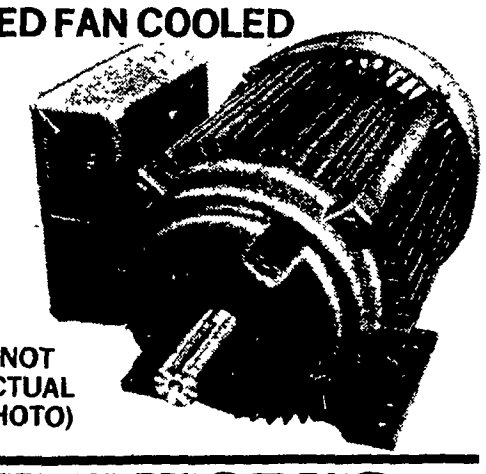

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Food processing is No. 1

(Continued from Page B14)

production of cottage cheese and grape juice; fourth in butter and apple products; and fifth in the nation in dairy products.

Pennsylania leads the nation in direct farmer-to-consumer marketing, also. We have nearly 1,200 roadside markets, 600 pick-your-own farms and 125 organized farmers markets. Pa. also has a variety of specialty markets such as "juggers" who sell milk from the farm, and direct outlets for maple sugar products, cheeses, wine and mushrooms.

Food for export is a big business in Pennsylvania, too. Over $150 million worth of Pennsylvania farm products are exported to retail and manufacturing outlets in other states and countries every year.

Our state is well-known for its export of steel, coal, and industrial products, but now agriculture has become the state's leading industry.

The queen of Pennsylvania exports is the mushroom. We not only process enough to fill the entire Pennsylvania demand, but also export seven times that amount to others. In fact, we produce half of all the mushrooms in the country and that puts Pennsylvania in first place.

Pennsylvania is ranked third in the country in the production of veal. We export more than twice as much as we consume. In 1980, total exports from the whole livestock industry, including hides and skins, meats and meat products, lard and tallow, was valued at $44.5 million.

Eggs and poultry products are also in demand by our neighboring states. Besides meeting our own demand for eggs, Pennsylvania exports eggs throughout the Northeast. In fact, Pennsylvania is the third largest producer of eggs in the country and that means over 4 million eggs.

Our production of apples, peaches, and pears puts Pennsylvania in the national top ten for fruit production. Apples are a specialty — last year they had a cash value or more than $44,400,000 and over 20 percent of that crop was exported.

Local girls sweep Regional Fashion Revue

LANCASTER — For the first time in the history of the Capital Region fashion revue, all four gold ribbon winners selected to attend state competition are from one county, and that county is Lancaster.

The fashion revue was held at Messiah College on July 22 and included eight counties: Adams, Cumberland, Dauphin, Franklin, Lancaster, Lebanon, Perry and York.

Winners are: Deanne Myers, 15, daughter of Carroll and Grace Myers; Jennifer Phillips, 17, daughter of Robert and Kathy Phillips; Stephanie Schaich, 15, daughter of Ed and Sharon Schaich; and Judy Weaver, 16, daughter of Willis and Betty Weaver.

The four will join 31 other young fashion designers in the state, August 3, at the annual 4-H Fashion Revue at Penn State.

In addition to the gold ribbon winners, six blue ribbons were awarded in the senior category to: Holly Bachert, Lebanon County; Beka Baum, Lancaster County; Sue Duncan, Cumberland County; Cheryl Martin, Lancaster County; Michelle Morrison, Perry County; and Kris Ruppert, Adams County.

In the junior division, under age 14, there were three gold award winners: They are Brenda Hess of Lancaster County; Tammy Orner of Cumberland County; and Lorri Rott of Lancaster County.

The Capital Region had 63 4-H'ers participate in the Fashion Revue. Each received a certificate of participation and a medal of honor.

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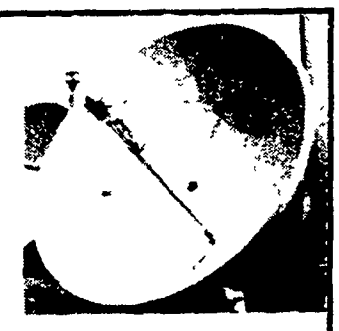

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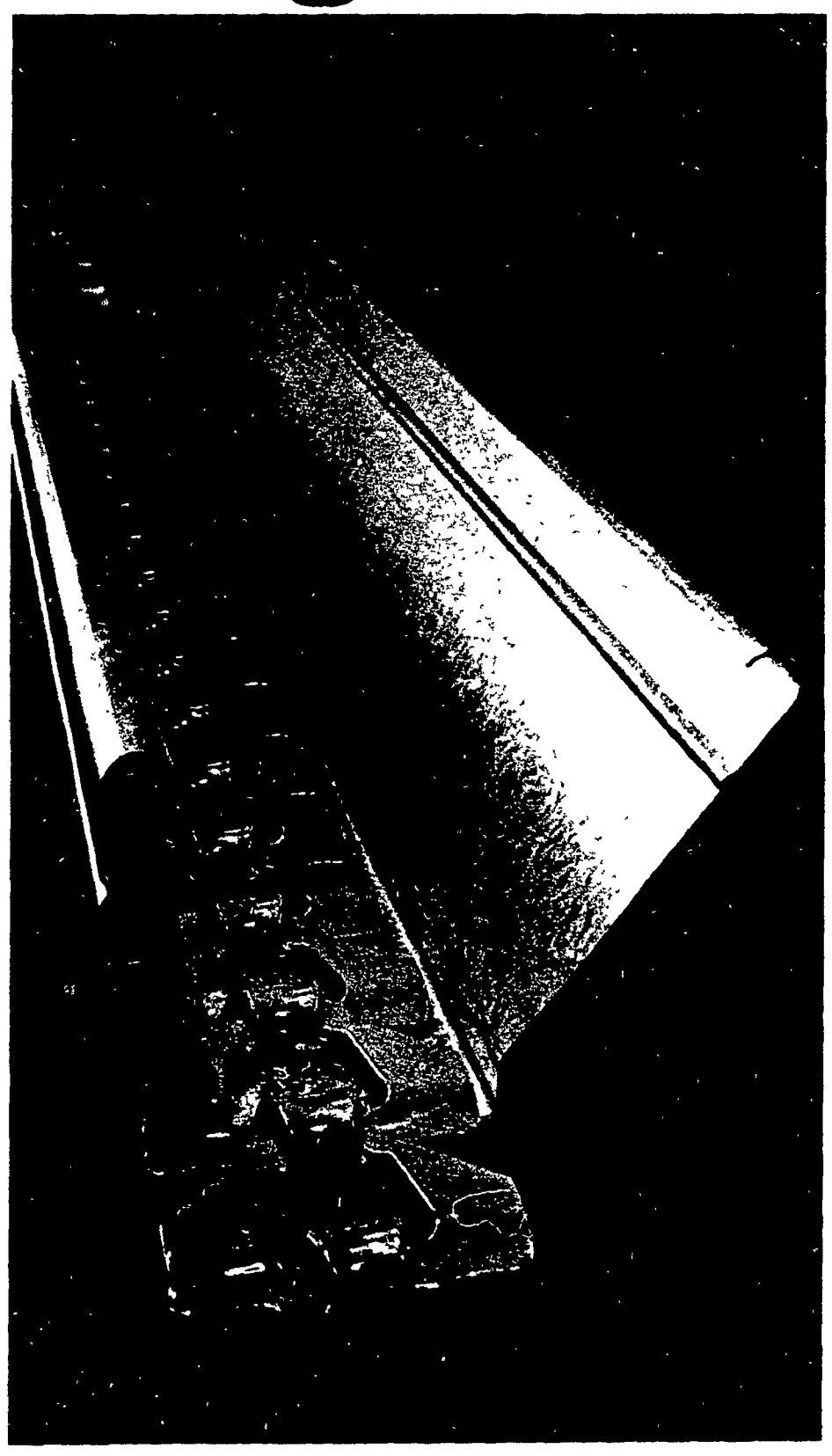

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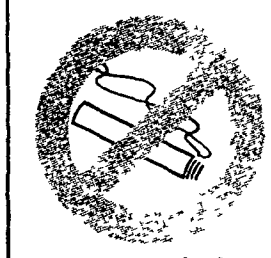

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Tri-County FFA picks swine winners

BY PATTY GROSS
Staff Correspondent

MARTINSBURG — FFA members from Blair, Bedford and Fulton county chapters sold 95 hogs at their thirty-fifth annual Tri-County FFA Market Swine Show and Sale on July 12.

The 26 exhibitors took in a total of $16,717.95. The average price paid was $77.94.

The average weight of the hogs was 226 pounds. Including the champions, the total sale weight was 21,450 pounds.

Sheila Biddle, R1 Williamsburg, owned the grand champion hog. The 230 pound light-heavyweight was purchased for $3.20 a pound by Larry Weyandt and Sons, of the Morrison Cove Livestock Market.

The reserve grand champion hog, owned by Scott Hileman, R2 Williamsburg, was bought by Hatfield Packing. The 230-pound light-heavyweight sold for $2.30 a pound.

Rhodes Meat Market purchased a light-heavyweight 235 pounder for $1.85 a pound. The hog, owned by Kevin Rhodes, of R2 Martinsburg, captured third place in the show.

The fourth-place hog was owned by Robert Bishop, R2 Williamsburg. Hatfield Packing bought the 240-pound medium-heavyweight for $1.00 a pound.

A dozen buyers participated in the sale. Firms that bought other than the top sellers were Shaw Brothers Packing Co., Russell Kegg, Curryville Agway, A.J. Peachey Meat Market, Shen Valley Meat Packers, Inc., Louis Kline, Inc., and Garner's Meats.

The show placings in order of finish were as follows:

Heavyweights (250-285 pounds)— David Bishop, Williamsburg FFA; Terry Morral, Everett FFA; Brian Sipes, Everett FFA; Robin Wareham, Bedford FFA; Charles Dinger, Hollidaysburg FFA.

Light Heavyweights (240-245 pounds) — Robert Bishop, Williamsburg FFA; Henry Hall III, Northern Bedford FFA; Jeff Koontz, Bedford FFA; Don Leidig, Tyrone FFA; Gary Eshelman, Central Cove FFA.

Medium Weights (225-235 pounds) - Sheila Biddle, Williamsburg FFA; Scott Hileman, Williamsburg FFA; Kevin Rhodes, Central Cove FFA; Ken Rhodes, Williamsburg FFA; Todd Hall, Northern Bedford FFA.

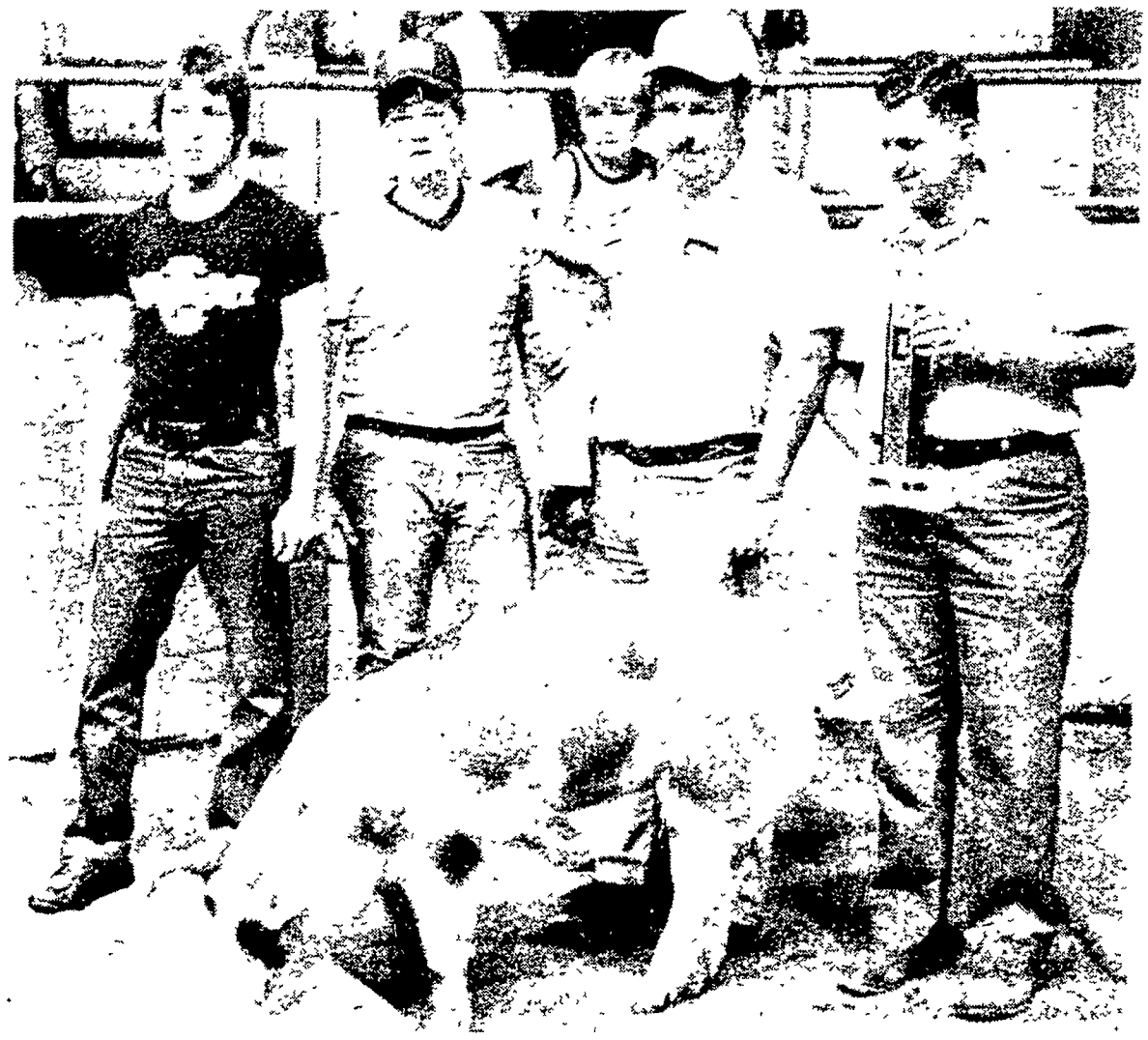
Lightweights (165-220 pounds) — Kevin Hampson, Bedford FFA; Melvin Leach, Northern Bedford FFA; Dwight Brumbaugh, Williamsburg FFA; Brian Koontz, Bedford FFA; Dave McCreedy, Hollidaysburg FFA.

Nine FFA chapters participated in the annual event. They were Bedford, Central Cove, Chestnut Ridge, Everett, Hollidaysburg, Northern Bedford, Tyrone, Southern Fulton and Williamsburg.

Trophies were presented by Agway Feed in Curryville and Ron Bookhammer of Keystone Flour and Feed.

Ezra Good, buyer for Hatfield Packing Co., was the judge. The sale at the Morrison Cove Livestock Market was auctioneered by Dale Broadwater of Grantsville, MD.

The 1982 show and sale was sponsored by the Morrison Cove Livestock Market, Martinsburg Boosters Association and the area FFA chapters.



— Altoona Mirror Photo

Buyer of the grand champion hog of the Tri-County FFA Swine Show was Larry Weyandt, of the Morrison Cove Livestock Market, shown holding son. The champ, owned by Sheila Biddle, not shown, of Williamsburg FFA, was shown by Steve Hern, left. Holding trophy is Robert Bechtel, of Curryville.

— Altoona Mirror Photo

Ezra Good, Tri-County FFA Swine show judge, left, purchased reserve grand champion for Hatfield Packing Co. Also in photo are, from left, Scott Hileman, Williamsburg FFA, exhibitor of the reserve champ; Ron Bookhammer, of Keystone Feed and Flour; and Betsy Stitt, regional FFA vice president.

Area FFA'ers attend leadership conference

Brenda Werner

Scholarship winner at FFA Leadership Conference in Washington, D.C. is Brenda Werner, of the Twin Valley Chapter. Presenting plaque to her is John Pope, National FFA secretary. Brenda is the daughter of Jack and Ruth Werner, of Elverson.

Mervin Keagy

Greetings to FFA Leadership Conference are extended to Mervin Keagy, left, of the Manor Chapter, Penn Manor High School, Millersville, by John Pope, National FFA secretary. Keagy is the son of Mr. and Mrs. Robert Keagy, of Washington Boro.

Berks FFA attends institute

SHIPPENSBURG — Four Berks County FFA members attended the recent Pennsylvania Association of Farmer Cooperative Summer Institute at Shippensburg.

The Berks delegates included Mary McMullen, of the Twin Valley FFA Chapter; David Rice and Mark Latshaw, of the Kutztown Chapter; and Jan Adam, of the Hamburg Chapter.

The program included organization of a mini-cooperative by the students, plus lectures, films, discussions and presentations on the operation of cooperative business organizations.

Area FFA'ers attend leadership conference

Eric Wanner

Eric Wanner, of the Pequea Valley FFA Chapter, recently attended a National Leadership Conference at the National FFA Center, Alexandria, Va. Son of Mr. and Mrs. Samuel M. Wanner, of Narvon, Wanner, left, is shown with Jack Stewart, Western Region Vice President. In addition to a visit to the office of Congressman Robert Walker, Wanner participated in training sessions on human relations, group leadership and personal communication and took part in tours of various historic sites in the Washington area.

Mike Troxell, James Hassinger

Two members of the West Snyder Chapter at Beaver Springs attended an FFA national leadership conference in the nation's capital. The West Snyder FFA'ers, Mike Troxell, left, and James Hassinger, are greeted by Melanie Burgess, of Harrisonburg, Va., Eastern regional FFA vice president. In addition to leadership training and tours of historical sites, the FFA members visited the office of Congressman Bud Shuster, of the 9th Pa. District.

Wayne jr. livestock sale scheduled

HONESDALE — The sixth annual Wayne County Junior Livestock Sale, a highlight of the Wayne County Fair, will be held Saturday, Aug. 14, at 7 p.m. at the Wayne County Fairgrounds.

The sale will serve as a climax for about 70 young people who have been raising livestock project animals in the 4-H and FFA programs. Members who are raising beef steers have had such animals on a heavy grain feeding program since last October, while the sheep and hog members placed animals on finishing rations early this spring.

It is expected that 20 steers, 45 hogs and 35 lambs will be offered for sale. All will be of market weight with the steers weighing about 1000 pounds live weight, the hogs approximately 200 pounds, and the lambs 100 lbs.

Animals will be weighed the morning of the sale for the purpose of determining the sale weight. The sale will be conducted as an auction sale with the animals being sold to the highest bidder. Anyone who does not feel comfortable bidding in an auction sale can make arrangements for a 4-H leader to do the bidding and act as the buyer. Such persons should contact the Extension Office to make the necessary arrangements and to secure information on prevailing market prices.

Buyers will receive duplicate ribbons based on judging conducted earlier in the week. Special banners will be presented to the buyers of the three Grand Champions.

Following the sale, arrangements can be made for transportation and processing.

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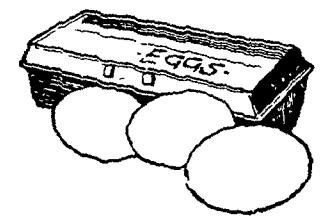

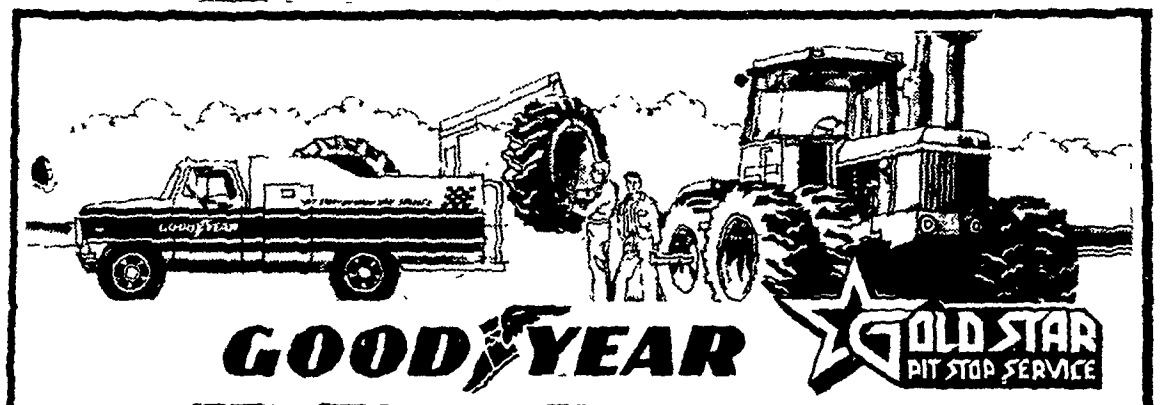

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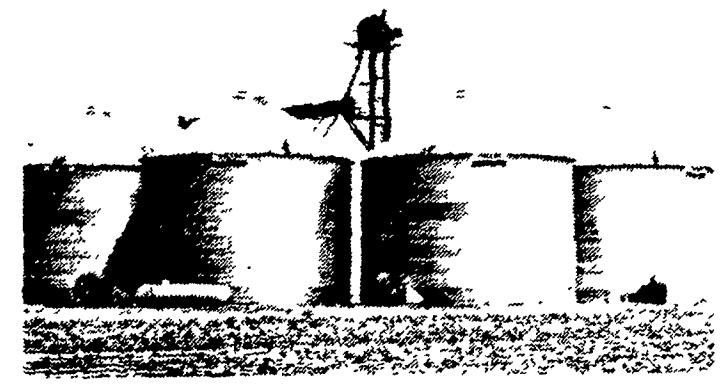

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Area FFA 'shines' in national spotlight

BY DICK ANGLESTEIN

LEOLA — FFA programs in Lancaster, Lebanon and Berks counties were in the national spotlight on Wednesday.

And, the area programs, their student participants and families and vo-ag teachers glistened and shone as brightly as the gold trim on a blue FFA jacket.

The programs, particularly the Supervised Occupational Experience projects – in which teachers and students work closely together to apply classroom instruction to real life projects on farms or in agribusiness, received ample praise from visiting vo-ag leaders and teachers, the National FFA and state officials, including Secretary of Education Robert G. Scanlon.

Scanlon, as featured speaker at a windup dinner to the day-long activities focused on the SOE program, told the 200 visiting vo-ag personnel from 45 states and Canada:

"Today, you have seen firsthand the quality of education which has become a way of life in vocational agriculture.

"Vo-ag has learned years ago what other phases of education are just now learing – that technology is vital for the future.

"The teaching of students about farming is more innovative and specialized than ever before.

"In vo-ag this educational program doesn't end at 3 p.m. or only continue nine months of the year.

"Supervised occupational experience programs provide a unique round-the-clock relationship between the teacher and student.

"And, that's what farming is all about – extra time, extra work, extra commitment and extra trust."

And perhaps, Gus Birchler, vo-ag instructor at Penn Manor High School, Millersville, and one of 26 area teachers who took the visitors on field trips to visit students, summed it up best concerning the value of the personal SOE program:

"You gotta learn your students before you can teach them."

The visiting vo-ag supervisory personnel and teachers began their day with greetings and orientation sessions at Victor F. Weaver, Inc. and Sperry New Holland, which helped sponsor the field trip program.

But the heart of the visit – just as it is the backbone of the overall vo-ag educational curriculum — were the individualized tours to area students to observe how the local teachers work with FFA'ers on their farms or at their places of agribusiness employment to prepare for the future.

The visitors, who are participating in a week-long workshop on SOE in Washington, came to this area because of the excellent FFA instructional programs conducted by area vo-ag departments.

And the visitors, who will now carry their local observations back across the country and into Canada, saw FFA student projects ranging from market hogs to dairy herds and from growing Sugar Baby watermelons to on-farm experience aiding a handicapped farmer.

After their visits and talks with the local teachers, students and their families, the visitors nodded approval in unison when Secretary Scanlon concluded his remaks by saying:

"The future of farming depends on the vision of our agricultural youth and the creativity of their teachers.

"We need and support the 12-month contract for vo-ag teachers for that vital link between the classroom and the real world of farming.

Area vo-ag teachers participating in the program included:

Solanco High School – J.D. Miller, MeeCee Baker and Ron Althoff.

Twin Valley High School –Ron Frederick.

Cedar Crest High School – Harold Berkheiser and Dick Moore.

Eastern Lebanon County – Gerald Strickler.

Conrad Weiser High School – Steven Miller.

Elizabethtown Area High School – William Erickson and Albert Martin.

Mount Joy Vo-Tech – James Kerr.

Warwick High School – Sonia Shaner.

Garden Spot High School, Eastern Lancaster County – Robert Herr, Abbe Barbato, Robert Lauffer, Phil Ogline, Clifford Day and Don Robinson.

Ephrata Area High School – Lewis Ayers and Charles Ackley.

Brownstown Vo-Tech – Bonita Levy.

Pequea Valley High School – Clair Witwer.

Manheim Central High School – Charles Bechdel and James Cowden.

Penn Manor High School – Steve Smith and Gus Birchler.

Sampling a Sugar Baby watermelon grown by Grassland FFA member Wade Martin, center, are Tom Hale, left, vo-ag teacher from Caribou, Me., and Larry Devine, assistant superintendent of Eastern Lancaster County Schools.

Participating dignitaries in area FFA program are Robert G. Scanlon, left, Pa. Secretary of Education; and Byron Rawls, National FFA Advisor, Washington, D.C.

One of SOE projects viewed by vo-ag visitors was two-acre lope and melon patch of Wade and Kevin Martin, R2 East Earl.

Another of the SOE programs visited by national FFA group on Wednesday was the dairy project of Dennis Weaver, right, of Weaver Homestead Farm, R1 New Holland. Dennis graduated last year as president of Grassland FFA.

Discussing area FFA visits, from the left, are Charles Lebo, state supervisor; Chris Townsend, ag education, Illinois; Lloyd Ruoss, superintendent, Eastern Lancaster County Schools; Abbe Barbato, vo-ag teacher in Eastern Lancaster County; and Clarence Pearson, vo-ag instructor in state of Washington.

National Committee to examine Extension's role

FORT COLLINS — The American Farm Bureau and other national farm organizations have charged that the Cooperative Extension Service has not had sufficient budget or staff to expand its programs into urban areas as it has done in the recent decade. They contend, therefore, that CES has diluted its programs to farmers and rural people.

Farm organizations feel that agricultural production is a top priority for CES. However, such groups as Gardens for All and many urban people in populated states feel the CES should continue to serve people where they live: in urban areas. Thus, they maintain that CES should expand into more urban gardening and community development programs.

This dilemma and others are facing a national committee appointed by U.S. Secretary of Agriculture John Block and Robert Clodius, president of the National Association of State Universities and Land-Grant Colleges, to determine the future direction and scope of CES educational programs.

The 18-member Joint Committee on the Future of Cooperative Extension will spend nearly a year studying the issues confronting CES, the world's largest system of informal education. The group met initially in January and will complete its task by November 1982, and publish the report for public use shortly thereafter.

Although advisory in nature, the committee's recommendations are expected to have significant impact on Cooperative Extension programming in the United States and its territories.

Cooperative Extension is a partnership of county, state and federal governments providing research-based educational programs in five broad areas: agriculture, natural resources, home economics, 4-H and youth development, and community and rural development.

Part of the federal land-grant system of colleges and universities, Extension employs more than 23,000 county agents, state specialists and administrators whose efforts are supplemented by more than a million volunteers.

In Colorado, the Colorado State Extension Service has more than 345 professionals serving 57 counties. Extension agents link university, state and local services to the community to meet needs of local citizens.

Significant changes in the distribution and makeup of the nation's population and questions about Extension's ability to maintain its broad base of services prompted the national study.

Co-chairman of the committee, Daniel Aldrich, chancellor at the University of California-Irvine, identifies three factors making this 21-member committee's tasks most difficult.

First, Aldrich says people in the more than 3,000 counties in America have a much wider range of interests, problems and needs than they did in earlier decades. These people have a vital part in determining programs at county and community levels and in providing local funds and volunteers to conduct such programs.

He says many urban groups and individuals have come to believe that the colleges of agriculture, home economics and natural resources should serve urban as well as farm people. Thus, questions the committee faces are: What should the scope of extension's programs be? Should Extension serve urban as well as rural clientele? Should 4-H youth programs continue to be available to non-farm as well as farm youth?

A second major factor the committee faces is the effect of changes in technology, media and communications. If CES were to use more computers, cable television and other such media, such usage could increase CES's effectiveness and efficiency but possibly risk serving some people who prefer one-to-one counseling on problems they face in their businesses and homes.

A third factor in Extension is the degree of control being exhibited by the three partners—federal, state universities and local governments—on Extension programs. This factor affects the way in which the CES is accountable and who sets the program priorities.

CES says it responds to people's needs, questions and concerns with the latest relevant research from universities and research stations, and that the flexibility of the existing partnership has kept it up-to-date. Some in CES say a highly structured national program priority and accountability system would cripple this dynamic system emulated internationally.

The committee has sent a questionnaire to more than 6,000 people throughout the nation, asking them to respond to many of these issues. Even so, Aldrich says the committee invites people to write down their concerns they wish the committee to address, or any recommendations they wish to suggest. Such responses should be sent to: Laverne Forest, Project Coordinator, University of Wisconsin-Extension, 605 Extension Building, 432 North Lake St., Madison, Wis. 53706.

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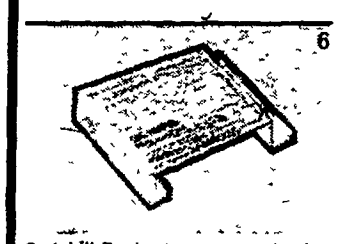
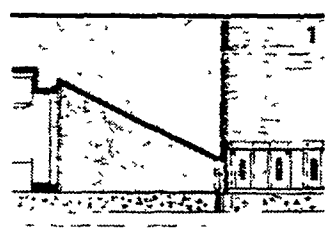
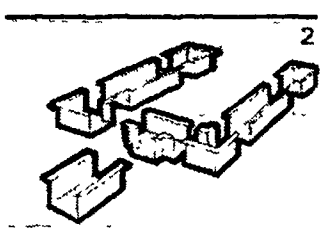


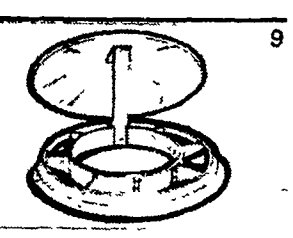
6 **Cor-Lok™ Flooring** has a corrugated surface which provides added strength while retaining the smooth surface desirable for bin sweeps and cleaning devices Round perforations cover the entire width of the surface area



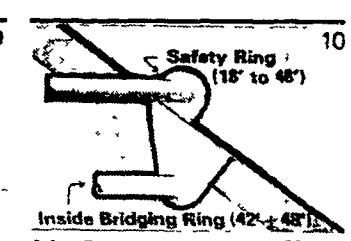
1 **Fan Transitions** are available with precut faceplates for all sizes of GSI fans when specified with an order Ease of assembly and attachment to bin makes the transition a necessary item in the GSI air delivery system



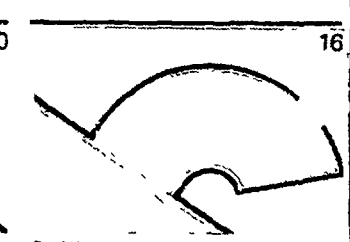
2 **Flush Floor Aeration Systems** are available for grain conditioning when a raised floor system is not desirable Selected pieces can be combined to form T I and U shaped aeration layouts All pieces bolt together and use a perforated corrugated sheet for covers



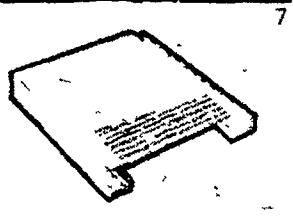
9 **Peak Collar Assembly and Cap** has a 40 diameter opening standard on all GSI bins allowing greater air flow reducing the need for additional openings in the roof 24 spreader ring comes as standard equipment



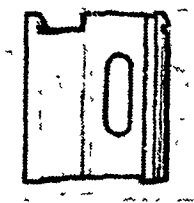
10 **Safety Ring** comes standard with all GSI bins 18 48 Safety Ring *Bracket* ties Safety Ring to each roof panel forming a strong integral roof system Bridging Ring comes standard with GSI bins 42 and 48 completing roof supporting system



16 **Roof Vent** provides a large unobstructed opening to increase air movement through grain and eliminate excessive condensation deposits on the inside of the roof Eliminates climbing on roof in bad weather conditions to open peak ring cap Includes bird screen



7 **Channel-Lok Flooring** is a newly refined flooring offering more openings than ever before Interlocking joints provide strong tight connections Closer slotted extrusions mean more uniform air movement and strength



4 **"Grand Stand"™ Floor Supports** for Cor Lok and Channel Lok floors Fewer pieces and absence of rails makes installation easier Snap in Hooks* hold support securely to the floor preventing shifting when bin is empty and fan is on Now with added opening for better under floor air flow

*Patented

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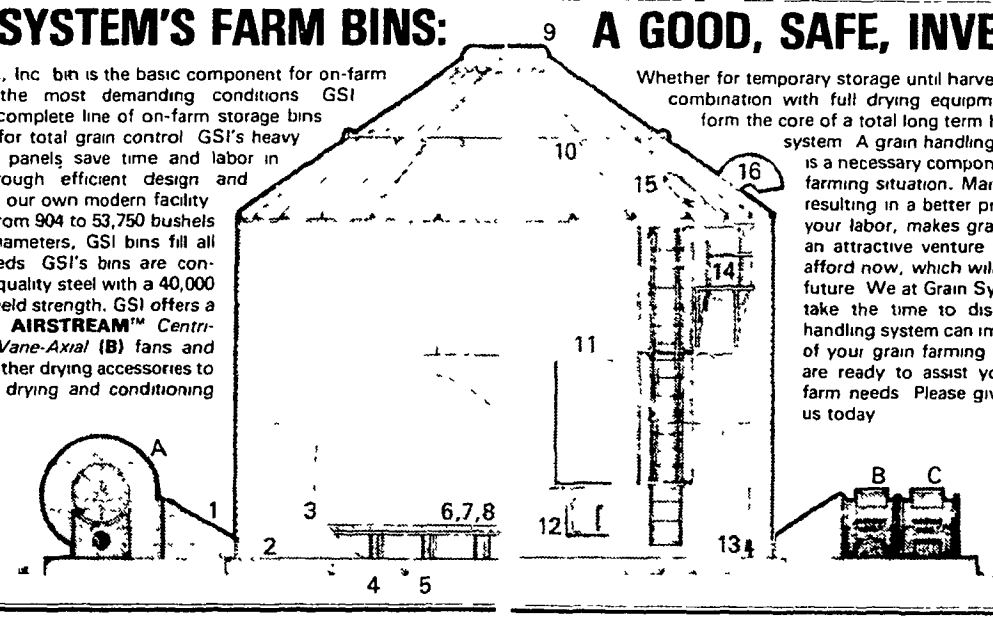

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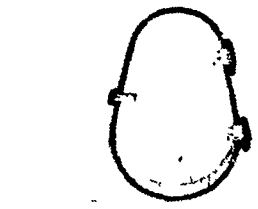
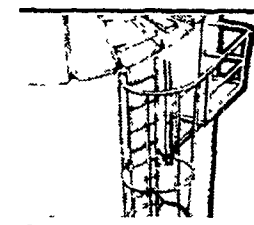
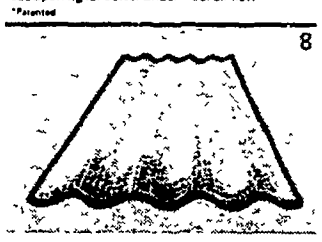


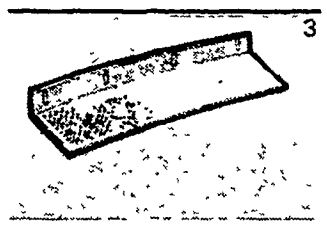
15 **Oblong Manway** is another added feature of GSI bins The extra large oblong manway provides an opening for easy access Top hinges completely out of way when open Rounded edges provide safe entrance and exit through manway



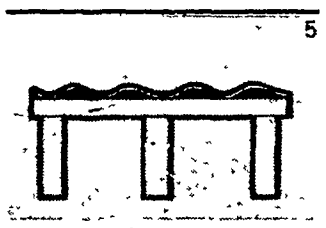
14 **GSI Access Equipment** consists of *Ladders Cages* and *Bin Eave Platforms* All are galvanized requiring no field drilling or cutting Cages provide safe access to bin Platform which has slip resistant floor and galvanized handrails



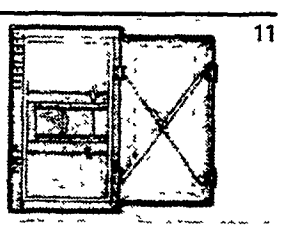
8 **Corrugated Perforated Floors** are available in 20 gauge, 18 gauge 16 gauge and 14 gauge galvanized steel Corrugated flooring is also furnished in cut lengths to cover ducts or tunnels for flush floor aeration systems



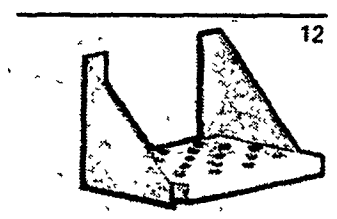
3 **Formed Flashing** fits bin wall without field cutting It can be used with all types of floor systems offered by GSI It provides a smooth surface with less seams for more efficient operation of bin sweeps and cleaning devices



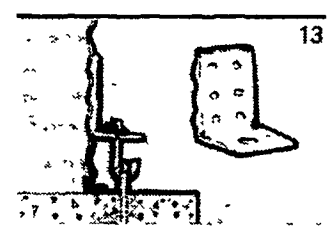
5 **"Mono Rail" Floor Support** is used to support corrugated floors and Channel Lok floors Complete floor system available in various heights Pieces snap together for fast and easy assembly Spacing angles automatically set at 20 and 10 with no measuring needed



11 **2-Ring Bin Door** is galvanized with corrugated jambs for sure fit to the bin sidewalls Outer door is one piece galvanized for long life Inner door, with pressure action door latches independently opens into three sections



12 **Bin Door Step** is an optional all weather slip resistant step Unique perforated step means maximum traction in all weather situations Makes for easy access to bin door



13 **Hold Down Bracket** with optional *J Bolt* and *Hairpin* secures bin to the concrete foundation forming a sturdy base J Bolt adjustment for easier bin erection Corrugated Hold Down fits tight to bin prepunched to fit at seam of sidewall sheets

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Dairy photo album

Curious cows make great detectives

LANCASTER — Agatha Christie has held millions spellbound with each suspensful page. Sherlock Holmes found the missing pieces for the most puzzling mysteries. And Charlie Chan never lost face when nailing down the right solution.

These and other super slueths have become heroes to many who delight in the unknown. The mystery stories tend to feed a basic human trait — curiosity.

But as we found during our dairy photo contest, humans do not have the market cornered when it comes to curiosity. Whoever coined the term, "curiosity killed the cat," probably never owned cattle.

Let's take the case of the "nosey Guernsey." Anne Padgett of Baltimore, Md. was in Lancaster County visiting a friend's farm when she got the distinct feeling she was being followed. Padgett was a new face on the farm and a few herd members didn't know what to make of the intruder.

It seems that a pen of heifers elected one ultra-curious individual to proceed with an in-depth investigation. Suddenly, Padgett's suspicions grew as she felt hot breath on the back of her neck.

She whipped around with nothing to protect her but a Kodak instamatic and came face to nose with the Guernsey gumshoe. The Baltimore visitor must have proved harmless and with her curiosity satisfied the heifer returned to her herdmates.

Although humans have been warned that the grass is not necessarily greener on the other side, cattle historically have been a better judge of the green stuff. With this thought in mind, a Holstein, known only as number 17 (perhaps in an attempt to conceal her true identity) crept up to a fence at Grube Valley Holsteins in Mohrsville, Berks County. Her investigation was marred when she discovered that a small boy, equally as curious, had squatters' rights on the other side of the fence. Priscilla Grube captured the magic moment between her nephew Jay and number 17.

In Quarryville, Lancaster County, a group of heifers gathered around a strange looking piece of wood leaning against Sharon Garman's barn.

"What is it?" asked one.

"I think the humans call it a ladder," was the reply.

"Well, the older cows talk about climbing the ladder of success. Do you think that could be it?"

"Maybe. Let's find out." And with that, the boldest heifer strode forward and tried it on for size. But there was no magic transformation, no great success, just mild embarassment.

Before releasing the curious creature from her predicament, Garman captured the scene with an instamatic.

Watch future issues for more scenes from our Dairy Photo Album.

Anne Padgett of Baltimore was visiting a friend's Guernsey farm in Lancaster County when a nosey heifer decided to closely investigate the intruder.

This inquisitive heifer may have been looking for the ladder of success but all she got was a pain in the neck. Sharon Garman of Quarryville, who snapped the picture, admitted that it was quite a job to remove the ladder.

While posing for his aunt Priscilla, little Jay Grube was joined by a curious cow, who probably wanted to see if the grass really is greener on the other side. The Holstein is a member of the Grube Valley Holstein herd in Mohrsville.

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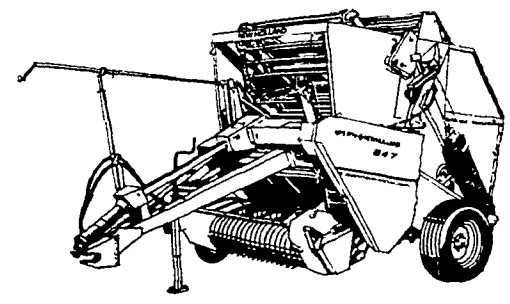
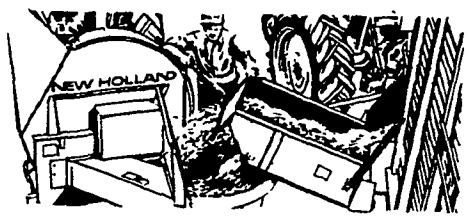


The Model 847 round baler makes bales weighing up to 850 pounds You have three tying choices — manual, hydraulic and Auto-Wrap And you'll get sure, fast core formation Super-Sweep pickup and fines saver pans get more hay in every bale See how easy it is to put up tons of hay in a day with a Sperry New Holland round baler Ask us for a demonstration



The Sperry New Holland Model 28 Whirl-A-Feed® forage blower is designed for greater overall reliability and easier maintenance.

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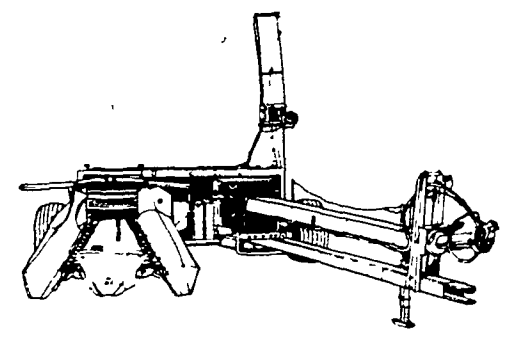
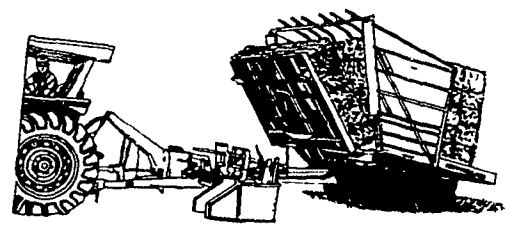
And like all Sperry New Holland machines, the "28" is backed by a parts and service system second to none.

The Model 892 is the biggest capacity pull-type forage harvester offered by Sperry New Holland Built for big tractor horsepower, the "892" can be used with tractors up to 175 horsepower

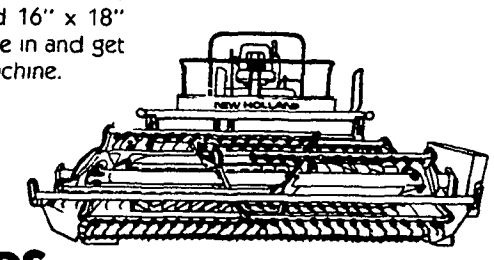
The optional electronic metal detector — a Sperry New Holland exclusive — reduces harvester damage and can cut down on hardware disease The "892" is available with 12-knife or 8-knife cutterhead Exclusive underbeveled knives never need rebeveling and make knife sharpening fast and easy. Flip-up feedroll makes shearbar adjustment easy.

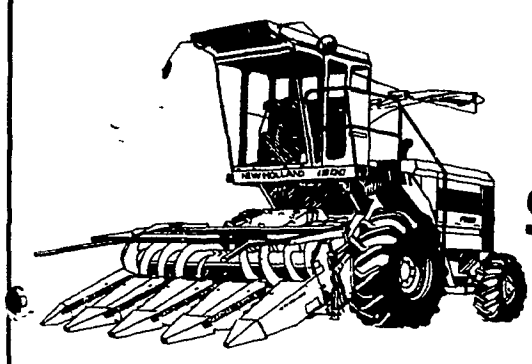
There's a big choice of crop heads, including the exclusive interchangeable 3-row crop head/windrow pickup, 2-row low-profile crop head, conventional windrow pickup, sicklebar and ear-corn snapping heads Under-knife baffles increase capacity.





The Model 1038 is the bale wagon that picks up, loads, hauls, stacks, retrieves and even single bale unloads into a mow conveyor or feed bunk. The "1038" handles both 14" x 18" and 16" x 18" bales . . . up to 4 tons per load. Come in and get more details about this remarkable machine.





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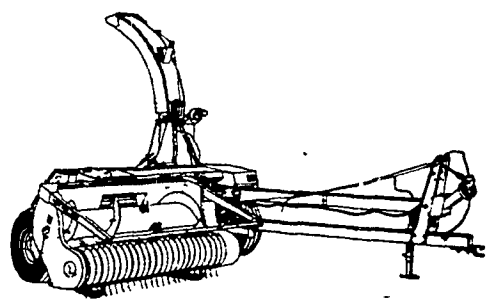
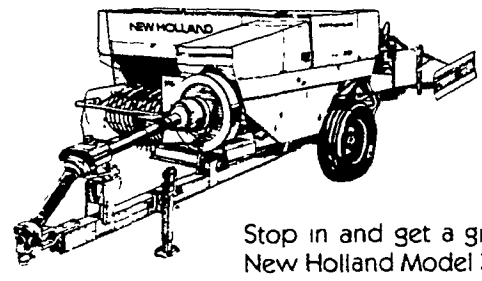


The Model 782 is built for heavy-duty performance The 12-knife cutterhead chops uniformly, without a recutter screen But for special crops and conditions, recutter screens are available Check these outstanding features

- Exclusive underbeveled knives eliminate the need for rebeveling
- Flip-up feedroll makes shearbar adjustment easy
- Choice of 540- or 1,000-rpm driveline
- Big choice of cropheads, including windrow pickup, one- or two-row low-profile cropheads, sicklebar and one-row, ear-corn snapping head



Stop in and get a great deal on the Sperry New Holland Model 315 baler. This 14" x 18" baler is built extra rugged to handle tough crops It's designed to work hard and give years of dependable service.

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From tree to can

Dessert-ready cherry pie filling takes 12 hours

BY GINGER SECRIST MYERS
Staff Correspondent

YORK SPRINGS — For those cooks who spend hours preparing sour cherries for future pies and pastries, the delicious desserts are well-earned rewards for the stiff muscles they suffered after climbing ladders to carefully pick the ripe fruit and the sticky afternoons spent pitting cherry stones.

For those cooks who prefer to enjoy the cherry pie filling without all the fuss, opening a can of ready-to-bake fruit is a modern-day convenience in a fast-paced society. With a lift of the lid, today's bakers pour out a product that makes its way from tree to can in just twelve hours. This speed in processing is possible because of technological advances both on the farm and in the factory. One company that turns farmers' fruit crops into delectable dessert fillings in the shortest time is Knouse Foods Co-op, Inc. at its Peach Glen plant in Adams County.

The majority of cherries used at Knouse's to make Lucky Leaf pie filling come directly from local fruitgrowers, according to C. Robert Binkley, technical director for Knouse. He noted that during the height of the cherry production season, Knouse processes several thousand tons of cherries twenty-four hours a day, seven days a week. Later in the season, as the local crop dwindles, Knouse processes cherries shipped in from New York State.

One local producer is Mac Lott, Lott's Orchards, York Springs. During the hot, humid days of July, Mac and his cherry-picking crew are busy from 6 a.m. until late afternoon harvesting 50 acres of cherries. Always mindful that summer days can explode with hail producing thunderstorms that can ruin a fruit crop in a matter of minutes, Lott wastes little time during harvest.

Although one might expect to see at least a hundred pickers working Lott's trees, the total harvesting crew in the orchard is only four people. Lott uses a mechanical picker which literally shakes the tree until practically all the cherries are off the tree.

Lott started to use the mechanical picker in 1974 as labor costs began to escalate. He estimated it only took two years to pay for the machine which cost approximately $50,000, noting some models now can cost $90,000. He stressed crop yield determines how fast a machine can pay for itself since it costs as much to harvest a half crop as it does to harvest a full one. This piece of equipment is used for approximately two weeks a year.

The mechanical picker is a two-piece apparatus that forms a sloped "sleeve" around the tree. One piece clamps on to the trunk of the tree while sets of counter-balanced weights cause the shaking. The second part of the machine collects the shaken fruit and contains a conveyor. Both pieces of the apparatus are lined with a saran canvass which absorbs the impact of the falling cherries and directs them onto the conveyor.

C. Robert Binkley, technical director for Knouse Foods Coop., Inc. pours out a sample of cherries used to make Lucky Leaf pie filling. Binkley noted this year's cherry crop is of exceptional quality. Knouse Foods processes several hundred thousand tons of locally produced cherries.

The conveyor then transfers the fruit immediately into an ice water bath to prevent scalding. Lott explained that hand-picked cherries were often scalded when put in hot, metal buckets.

After all the cherries are shaken from the tree, in less than one minute, the cherry-picker splits and is moved to the next tree. Lott noted the tree can be damaged from the clamp of the machine or from over-shaking.

After picking, the cherries are immediately plunged into 45 F ice water. According to Lott, this helps to retain their quality and helps to keep them firm. This cuts down time at the processing plant since the cherry must be firm to be mechanically pitted. Lott uses an average of ten tons of ice daily, all of which is supplied by Knouse Foods. Once Lott has filled eight to ten of the 1100-pound bins with cherries, they are loaded on a flat-bed truck and sent to the Peach Glen Plant.

Technical Director Binkley explained the plant receives most of its cherries "wet," like Lott's. However, some growers still hand-pick their cherries. These dry cherries can be kept in the cold for three to four days before processing, but wet cherries must be processed within 24 hours after harvest.

Binkley explained cherries arriving wet are first checked for temperature. Then a compostie sample of each producers shipment is taken. The temperature of the water in the bins should be between 35 F. and 50 F. Cherries must pass Knouse's inspection for grade, size, color; and absence of cherry maggots. Failure to meet these standards results in rejection of the load.

When the cherries are unloaded, they are weighed and their quality again determined by inspection. The grower's number is keyed with the weight and the evaluation and these determine payment for that particular load.

From the check point, the cherries are conveyed to pool tanks where they are cooled at 32 F. for four hours to firm them up. Binkley emphasized this is particularly important for mechanically harvested fruit to prevent deterioration. The fruit is then moved out of the tanks and onto a distribution belt where hand sorters inspect the fruit for defects before it enters the mechanical pitters.

Once in the pitters, a star-shaped needle punctures the fruit, forcing the pit out the other side. Inspectors check the pitted cherries every quarter hour to make sure that all the pitting needles are operating properly.

The pitted cherries are then poured into cans. Binkley stressed every attempt is made to keep the cherry in its whole form. Once in the cans the fruit is covered with a slurry liquid, sealed, processed, coded with a production number, and packaged for shipment.

The fruit, the slurry, and the packaging process are evaluated hourly in Knouse's quality control lab for color, taste, and quality. Binkley stated this year's crop is of exceptionally good quality.

A mechanical cherry picker in Mac Lott's York Springs Orchard harvests fruit from the tree by giving it a "shake down." Four people will harvest Lott's 50 acres of cherries rather than 100 people that would have been needed to hand pick them.

A conveyor at the base of the shaker transfers the cherries to bins of ice water. The ice water keeps the fruit from becoming soft and keeps them from scalding.

Keystone Pride
August ...
Pennsylvania Food Products Month

Ladies Have You Heard?

By Doris Thomas

Lancaster Extension Home Economist

CHECK VINEGAR LABELS

If you think vinegar is vinegar, you are mistaken. If you make pickles that assumption could lead to problems.

Homemade pickle products generate the most problems for home canners. Some of these problems can be avoided from the start by choosing the recommended 5 percent acidity strength of vinegar.

Next time you are buying vinegar, take time to read the labels, including the fine print. Vinegar is sold in different strengths of acidity, from 4 to 6 percent; as white or regular vinegar; and in various sized containers and under "store" or nationally known labels.

Only a five percent acidity vinegar is recommended for making safe pickle products at home. White vinegar is the best to use in some recipes because it does not discolor light colored foods, such as pickled onions and some fruits.

Some vinegar processors and stores make a 4 percent acidity vinegar available at lower cost — sometimes called "table vinegar" because it is suitable for other cooking uses. More recently, so-called salad vinegar having only 3 percent acidity is available in some food markets.

Price-conscious consumers used to comparing prices between nationally known and store brands or small versus large containers could be misled into buying a less expensive product but one which is not recommended as being safe for homemade pickles.

Read the labels carefully. The acidity strength usually appears in fine print. Do check prices and get the best buy, but be aware that the 5 percent acidity strength of vinegar recommended for homemade pickles may cost you more money. However, the few pennies extra will be well worth it in a quality pickle product.

GOT A TASTE FOR BARBECUE?

Barbecuing, whether on a picnic or simply in your backyard, makes food taste great. The family cookout has become a popular American tradition. But two things can spoil an outing: getting sick and getting hurt. You can avoid both with some know-how about food and fun outdoors.

The grill itself should be sturdy and stable, especially if it stands on legs. Very lightweight grills can become top-heavy in use and topple over. A hood or windshield is a great help in controlling irritating smoke and minimizing dangerous wind-driven sparks.

What ever type of grill you have, place it so that sparks and smoke will not fly toward buildings, furniture or people. Do not barbecue in a confined space. Set up the grill in an open area away from buildings and shrubbery, and out of the traffic pattern so it will not be bumped or tipped over by children or pets.

Prevent burns and protect your clothing with an apron and potholder type gloves. You will also want a long-handled set of barbecue tools: knife, fork, tongs, turner, spoon, pastry brush, skewers, fire rake and even long-handled salt and pepper shakers.

F.W.S. Calendar

Saturday, July 31
Lancaster Society 5 meets for a covered dish picnic with husbands

Tuesday, August 3
All Societies in Lancaster County meet at the Lampeter Park for the county picnic

Thursday, August 5
Lancaster Co. Society 20 meets at the Huffnagle Park for a picnic

Saturday, August 7
Lancaster Co. Society 1 meets for estate planning presented by Roger Moyer
Lancaster Co. Society 6 meets with Anna Geyer for a 4-H program

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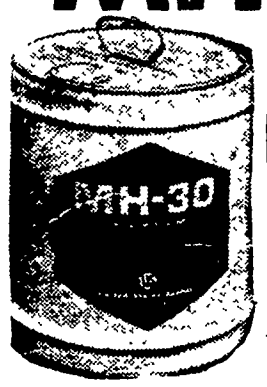
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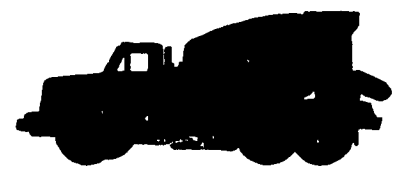
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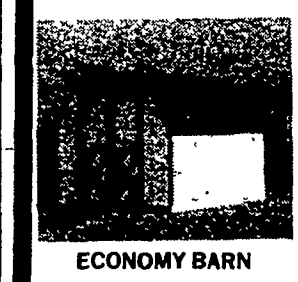
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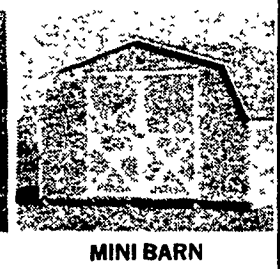
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Hunterdon Co. slates fun-filled farm week

FLEMINGTON, N.J. — The first week in August will prove to be a busy but fun-filled week for agricultural enthusiasts, old and young, in central New Jersey. The Flemington Fairgrounds will host a 4-H Achievement Week and the Central Jersey Holstein Show while a local nursery hosts the annual Farmers'-Businessmen's Picnic.

Beginning Wednesday August 4, the Hunterdon County 4-H Achievement Week will kick off with a bevy of 4-H contests, shows and demonstrations. Visitors at the Flemington Fairgrounds will be treated to a twirling competition, flower and vegetable shows, sheep fitting demonstrations and show and dairy goat and poultry shows. The 4-H'ers even have made plans for a dairy cattle olympics.

On Thursday, events will include the county 4-H dairy show, dog shows, a public speaking contest and a variety of square dance competitions. Additionally, there will be a dress revue and the Hunterdon County 4-H Queen and Escort Contest.

The annual Farmers'-Businessmen's Picnic is scheduled for Thursday, August 5 at Herman Panacek's Sycamore Lane Farm and Nursery. The popular affair, conducted by the Hunterdon County Board of Agriculture and the Hunterdon County Extension Service, begins at 5:30 p.m. with a tour of the farm. The picnic supper follows at 7 p.m.

Ralph Lewis, Jr., Executive Director of Gulf Oil's Speakers Bureau will address the group on "Energy — Yesterday, Today and Tomorrow."

Tickets for the annual picnic may be obtained at the Cooperative Extension Service office, Extension Center, Route 31, north of Flemington.

On Friday at the fairgrounds, more than 100 Holsteins will vie for the blue ribbon during the Central Jersey Holstein Show. Participants from Hunterdon, Somerset and Mercer Counties will parade their fancy black and whites in front of type judge Edwin Fry, Chestertown, Md. and fitting and showmanship judge Everett Chamberlain, Warren County Senior Agent.

Other Friday activities are frog and turtle races, hog calling, a 4-H beef show at 4 p.m. and chicken barbecue from 5 to 7 p.m.

Great Lakes Fruit and Vegetable Days feature wineries

NORTH EAST — The 1982 Great Lakes Fruit and Vegetable Days is an event no one will want to miss! This year the event is taking place on August 4 and 5. The location is 1½ miles west of North East, Pennsylvania, on Route 20, across from Delhurst Country Inn.

On Wednesday, August 4, the grounds will be open from 9 a.m. to 9 p.m. Starting at 10 a.m. there will be local tours of Welch Foods, Penn-Shore Winery, Mazza Winery, and Penn State Experimental Laboratory. The wine tent opens at noon and there will be wine tasting and wine available for sale from local wineries. There will also be sprayer and tillage demonstrations. A chicken barbeque is being held from 5 p.m. to 7 p.m.

On Thursday, August 5, the grounds open again at 9 a.m. and close at 1 p.m. Activities include field demonstrations at 10 a.m. and bus tours of Toyer Farms and Rotthoff Strawberry Farms.

This popular regional event is informative, educational and fun! Fruit and Vegetable Days is held in the heart of a 40,000 acre grape belt and surrounded by 10,000 acres of small fruits and vegetables. This event is being co-sponsored by the Erie County Horticultural Society and the Penn State Extension Office.

For any further information please contact the Erie County Horticultural Society at P.O. Box 204, North East, PA 16428.

Franklin sheep club holds work session

CHAMBERSBURG — The July meeting of the Franklin County 4-H Lamb and Sheep Club consisted of a work session at the fairgrounds.

Members, parents and Gerald Riechard of the fair commission constructed 50 gates to be used as holding pens for the 4-H sheep during the county fair.

The next meeting is scheduled for August 5. Members will take inspection tours of each member's project lambs and barn. A family picnic will be held following the tour at the Lighthouse Youth Center.

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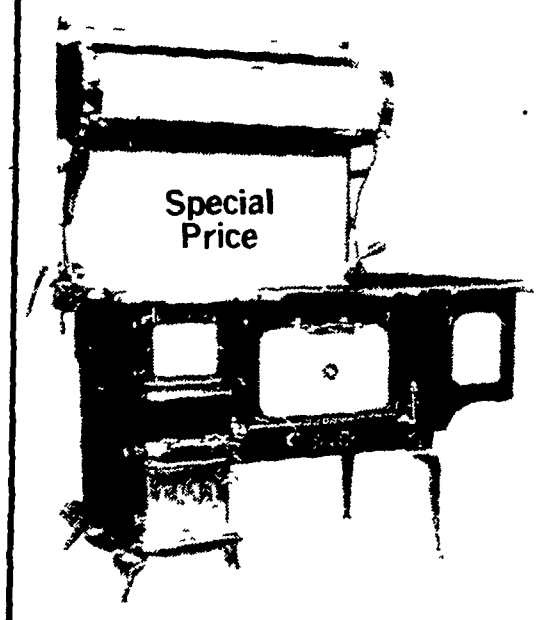

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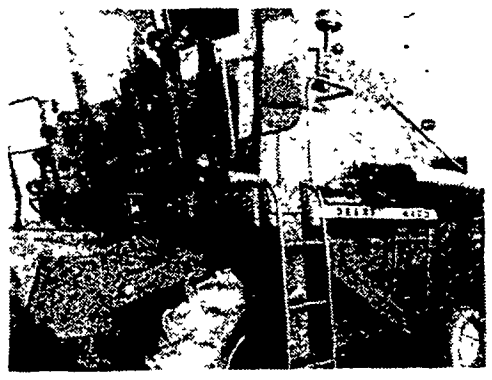

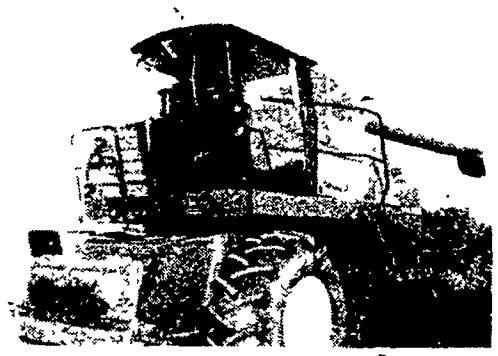

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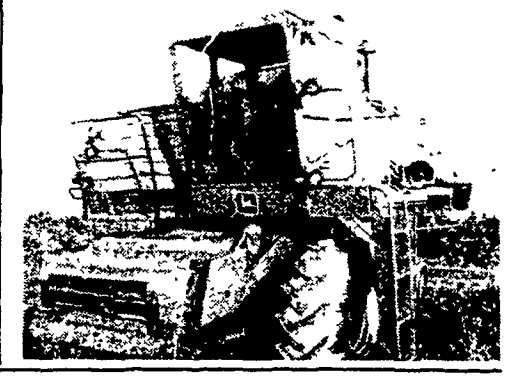

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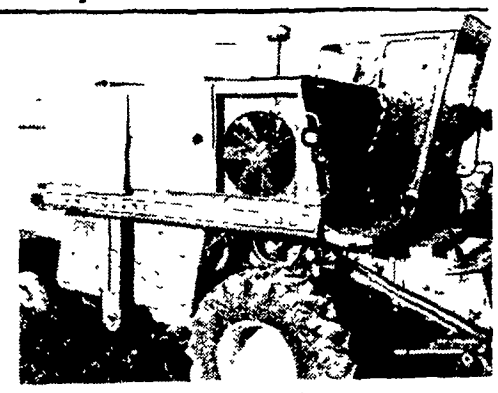

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Nelson co-chairs rural advisory council

WASHINGTON, D.C. — Oliver W. Nelson of Jackson, New Hampshire, has been named co-chairman of the National Advisory Council for Rural Development by Secretary of Agriculture John R. Block. The council advises the Secretary on national rural development policy.

Nelson has been a member of the Jackson board of selectmen six years and is a former chairman of that board. He is chairman of Jackson's Conservation Commission and Planning Board and has been a board member for four years. He is a member of the Region I Board of the National Association of Regional Councils and a former chairman of the New Hampshire Association of Regional Planning Commissions.

Nelson is active in the Mount Washington Valley (N.H.) public service council and the solid waste disposal committee. He also was policy adviser to several New Hampshire state committees dealing with water pollution and supply issues.

Nelson's appointment as Advisory Council cochairman was announced to the council on June 23 in Moline, Ill., by the other cochairman — Under Secretary of Agriculture for Small Community and Rural Development Frank Naylor. The council was in session at Moline working on rural development policy recommendations that Secretary Block plans to submit to Congress in January.

Other council members are: Joe Baca, Browning, Mont.; Stephen Nye Barton, Birmingham, Ala.; Lyle Bauer, Harper, Kan.; Jan Broadhurst, Sedgwick, Kan.; Paul Brower, Atlanta, Ga.; Dr. Frank Bryan, Starksboro, Vt.; John Campe, New Ulm, Minn.; Clayton Denman, Ellensburg, Wash.; Thomas Ewing, Pontiac, Ill.; Penrose Hallowell, Ottsville, Pa.; Edward Hasnerl, Freedom, Ind.; Ed Krueger, Shawano, Wisc.; J. R. Kuiken, DeKalb, Ill.; John Lehman, Pratt, Kan.; Edwin Malzahn, Perry, Okla.; George Miller, Melrose Park, Ill.; Scott W. Neasham, Newton, Iowa; Ray Nelson, Courtland, Kan.; Don Paarlberg, West Lafayette, Ind.; Clarence Skye, Pierre, S. Dak.; Herman Tushaus, St. Paul, Minn.; Gordon Van Vleck, Plymouth, Calif.; and Thomas T. Williams, Tuskegee, Ala.

Co-op couples share concerns, encouragement

By SALLY BAIR
Staff Correspondent

CHAMBERSBURG — The 32 young farm couples who traveled to Chambersburg last week to attend the Co-op Couples Conference found it not just a pleasant break from gathering eggs and milking cows, but also a learning experience about cooperatives.

The conference was sponsored by the Pennsylvania Association of Farmer cooperatives, and couples were sponsored by cooperatives or regional cooperative councils.

Not surprisingly, it was milk marketing and farm finance which proved to be two of the most interesting topics when the farm couples aired their concerns during a special workshop with cooperative management personnel.

In the milk bargaining group, John Walker, Milk Marketing, Inc., pointed out 730 pounds of milk were produced per person in 1964. This dropped to 565 pounds in 1980.

Walker said, "Just as cooperatives are an important tool in milk marketing and the federal order is an important tool, so is advertising an important tool."

James Fraher, Inter-State Milk Producers, added one way to increase consumption is with population growth; but since the population of the Northeast and the Middle Atlantic states is decreasing the problem of decreasing consumption is compounded.

He noted, "If Coca-Cola were not getting returns on their advertising, they wouldn't continue. Advertising is an intrinsic part of marketing today. Research shows there is a return on generic or brand name advertising." Fraher also pointed out that the whole federal milk marketing system is presently under great examination.

Although Dairylea Director Harold Ely talked about milk handling with the farm couples, the questions inevitably moved to surplus and consumption. With facts in hand, Ely pointed out that Pennsylvania has been in second place in increased production three of the last five years, and was in first place once.

He pointed out, "Pennsylvania may not have surplus production in that milk doesn't go into government purchases, but it has contributed significantly to the overall surplus." He added that 20 years ago Pennsylvania was a deficit state in milk production and now it exports 26 percent of its production.

One farmer took issue with accepting blame for the surplus and placed it squarely on the shoulders of California and Wisconsin dairymen. Ely countered by noting some of the problem has come about because of the stable position of the dairy industry in agriculture which has attracted farmers in other enterprises to turn to dairying with Pennsylvania realizing the greatest switch.

Many who spoke up said providing a quality product to the consumer is part of the answer to the dairy surplus problem.

At the Farm Credit round table, the first question raised in each of the groups was "When will the interest rates come down?" Robert E. Vinson, with Farm Credit of York, answered "It is not likely in the near future."

These young farm couples were selected to return to the PAFC-sponsored Co-op Couples Conference next year to assist with programming. On the left are Jim and Renee Bates, R2 New Alexandria and Charles and Joanna Baker, R4 Bedford.

When asked about the number of foreclosures predicted in the next few years, Vinson said they try to do everything possible to prevent it because "it is the hardest decision to make as a lender."

He stressed that communication between the farmer and the lender is an important part of their commitment to each other. He said farmers should always talk with their lenders before making big investments, adding that while a farmer may not get the answer he wants from his lender at least each will have a clearer picture of the situation.

In response to a question about whose fault it is if a farmer has too much debt, Vinson replied, "It is the joint responsibility of the farmer and the lender."

Clifford Valentine, Northeastern Farm Credit, added that farmers can no longer rely just on equity to get loans.

Vinson said, "We went through the mechanization period, the production period and now we are in the financial management period of agriculture. You have to be a financial manager to keep up with increased debt."

Valentine described Farm Credit's coordinated financial statement which is a system done by the farmer. He said this has advantages over other systems because as the farmer keeps the records "you catch problems yourself as they happen."

Another topic of discussion was stress, something that more and more farmers and their families are experiencing. Ken Schoenberg led a discussion on how men deal with stress. He said one important step his family has taken is to spend one day a month going to a park or a museum.

Craig Powell of Crawford County noted the importance of including wives in farm decisions whether or not they work on the farm. "A synthesis is far better than making the decision alone."

Another farmer pointed out that most have trouble relaxing and finding time not to think about farming since they live with their work. In a paraphrase of an old adage, he pointed out that farmers should quit worrying about what they can't do anything about, and worry about those things which they can change. Also, they should be smart enough to know the difference.

Another said, "Farmers who work without taking time off will run short at the end."

Summing up the feelings of stressful situations, one young farmer said, "Communication is the key in dealing with anybody, anyplace - a director, a wife, a father." He said sometimes it is easier to "keep your mouth shut" hoping a problem will go away, but it doesn't. "Keep lines open," he advised.

Dr. Kenneth Markley, Camp Hill, helped the co-op couples learn to deal with stress through his talk on the nine marks of a mature person. Amid lots of laughter, he listed nine points, including: 1. Be realistic; 2. Not only be realistic but be able to meet frustrations and disappointments without lashing out at other people, or losing your temper or poise; 3. Be able to cooperate with others. 4. Learn to use your skills and abilities effectively; 5. Postpone present satisfaction for the future greater good; 6. Be able to stand on your own two feet and make decisions; 7. Accept praise and criticism; 8. Neither expect nor demand perfection in others; and 9. Be able to love other people.

Four couples from around the state were selected last week to attend next year's Co-op Couples Conference as "leader couples," planning and carrying out the program. This year's conference, sponsored by the Pennsylvania Association of Farmer Cooperatives, drew 32 young farm couples from around the state. All are selected and sponsored by individual farmer cooperatives or by regional cooperative councils.

Returning next year will be: Nancy and Vernon Seipt, Landsdale; Virginia and Bill Beeman, Kingsley; Joanna and Charles Baker, Bedford and Renee and James Bates, New Alexandria.

Edgar and Frances Reichard, Franklin County, will return as the chair couple for the conference. This year Ken and Becky Schoenberg, Cumberland County, chaired the program.

"The conference is designed to help young farmer couples become more knowledgeable about their cooperatives. It allows them to talk with cooperative management, expressing concerns and asking questions about its operation.

Throughout the 24-hour conference, the young farm couples enjoyed leadership opportunities as well as time to share individual experiences with other farm couples. The concerns of women were an important part of the program.

Leader couples for next year's PAFC-sponsored Co-op Couples Conference will be Vernon and Nancy Seipt, Landsdale, left, and Bill and Virginia Beeman, R2 Kingsley.

Co-op Couples Conference program chairman Duane Duncan congratulates Edgar and Frances Reichard, chair couple for next year's conference.

PDA schedules Food and Farm Show

PITTSBURGH — State Agriculture Secretary Penrose Hallowell announced today that the first Pennsylvania Farm and Food Show will be held Friday through Sunday, Aug. 27-29, at Point Park in Pittsburgh.

Hallowell said a full slate of exhibitors has been lined up to give consumers a taste of the diversity and quality of Pennsylvania Agriculture.

"August is Pennsylvania Food Products Month," Hallowell said noting that the Food and Farm Show is just one of a number of events taking place in the state to highlight Pennsylvania's food industry.

"Dozens of farm marketers, commercial food processors and farm commodity associations will be exhibiting and selling at the Farm and Food Show. Some will give out samples of their products," he said.

"A visitor to the show will have the opportunity to take a taste of Pennsylvania and at the same time learn the importance of agriculture in Pennsylvania's economy," Hallowell added.

Hallowell noted that the Pennsylvania Farm and Food Show will be like a fair, the Farm Show and an educational experience rolled into one event. It will include exhibits of farm animals, food preparation demonstrations and a number of exciting contests.

Local farmers will sell fresh fruits and vegetables while free entertainment will be provided by blue grass, ethnic and country groups.

Hallowell indicated than many of the state's farm commodity queens and princesses will be on hand to provide samples of foods and to conduct educational seminars to interested visitors.

"Agriculture is the state's leading industry," Hallowell said. "The Pennsylvania Farm and Food Show will bring the country to the city and let the people of Pittsburgh and southwestern Pennsylvania see why "We're Growing Better' firsthand."

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European young farmers visit central Maryland

COLLEGE PARK, MD — Rural families with 4-H involvement in five central Maryland counties are hosting young adult visitors from western Europe.

Wolfgang Kampmann, a 20-year-old International 4-H Youth Exchange representative from the Federal Republic of Germany, will be staying from July 22 to Aug. 6 in Howard County with the Donald E. Rutz family of Lisbon.

Kampmann has been living with rural Maryland families on both sides of the Chesapeake Bay since May 12. He is scheduled for a similar live-in experience as an IFYE representative in Oregon from mid-August to Mid-October.

Meanwhile, seven IFYE ambassadors from Italy arrived in Maryland on July 12. All are members of the Italian Federation of 3-P Clubs, an organization similar to 4-H clubs in the U.S.

After orientation at the National 4-H Center in Chevy Chase and the University of Maryland at College Park, the Italians fanned out on July 14 for three-week stays with central Maryland families. Three went to Frederick County, two to Baltimore County, and one each to Carroll and Montgomery counties. They will be staying with their assigned families until Aug. 4.

Group leader for the delegation from the Italian Republic is Lorenza Fiumi, 23, of Pomezia. Raised on a 125-acre general farm, Miss Fiumi has been an architecture student at the University of Rome, and she has aspirations for designing buildings in rural settings. Her hosts are Mr. and Mrs. O. Clayton Smith of Jefferson, in Frederick County.

At the other end of the Middletown Valley, Gian Luca Ferrari, 18, of Albarea is staying with Mr. and Mrs. Carrollee H. Zecher at Locust Valley, southwest of Middletown. Ferrari grew up on a 175-acre grain and fruit farm.

In the eastern part of the county, Danilo Verzelletti, 24, of Calcinatello is staying with Mr. and Mrs. Paul E. Spurrier of Libertytown. Verzelletti grew up on a 50-acre grain and beef cattle farm.

Fabrizio Previtali, 23, from Chignolo D'Jsola is staying with the John F. Doody family at Purdum, southwest of Damascus in Montgomery County. Previtali grew up on a 125-acre grain and livestock farm. He is studying veterinary science at the University of Milano.

Antonella Merigo, 17, of Caravaggio is staying with Mr. and Mrs. H. David Shirley who live at Greenfield, north of Union Mills. Merigo grew up on a 175-acre grain and swine farm. She is interested in horse-racing and athletics.

Franco Mario Astara, 24, of Castiglion Fiorentino is staying with Mr. and Mrs. Carl E. Anderson, who live near Shane, northeast of White hall in Baltimore County. Astara grew up on a 100-acre dairy farm. His special interests are soccer and photography.

Maurizio Zaccomer, 23, of Nimis is staying with Mr. and Mrs. Robert Villa at Dulaney Valley Estates near Baldwin. Zaccomer grew up on a 38-acre cattle farm and grape vineyard. He has an agricultural expert degree from the Technical Institute for Agriculture in Italy.

Upon completion of their current three-week stays, the Italians will be reassigned for two-week visits with another set of Maryland families. Then, they will make a sight-seeing trip to New York City. They are scheduled to return to their native land on Aug. 24.

Seven representatives from the Italian Republic posed on the steps of Symons Hall at the University of Maryland in College Park before leaving for three-week stays with rural families in four central Maryland counties. Group leader is Lorenza Fiumi, 23, of Pomezia (front row, left), who is staying with Mr. and Mrs. O. Clayton Smith of Jefferson. Others in front row are (left to right): Gian Luca Ferrari, 18, of Albarea; Antonella Merigo, 17, of Caravaggio, and Maurizio Zaccomer, 23, of Nimis. Shown in second row are (left to right): Fabrizio Previtali, 23, from Chignolo D'Jsola; Danilo Verzelletti, 24, of Calcinatello, and Franco Mario Astara, 24, of Castiglion Fiorentino.

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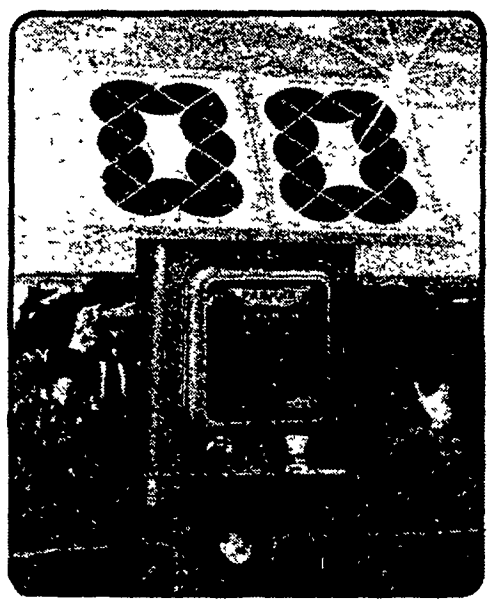

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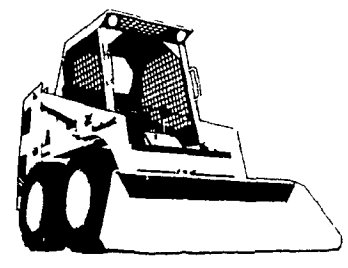

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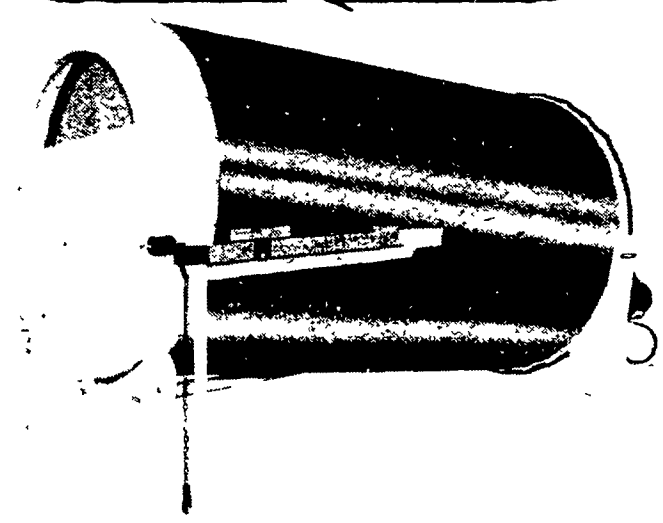

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Twelve State delegates to attend AIC Convention

UNIVERSITY PARK - Twelve Pennsylvania young adults, who last week served as delegates to the Pennsylvania Association of Farmer Cooperatives Summer Youth Insititue at Shippensburg State College, have been named to attend the annual meeting of the American Insititue of Cooperation at Purdue University, August 1-5.

Those named are Ronald Martin, of R1, Narvon; Clifford Horning, of R1, Denver; Dorothy Meyer, of Willow Street; Debra Hershberger, of R4, Quarryville; and Stephen Aument, of R1, Quarryville; Thomas Roth, of Rock Run Road, Pottstown; Vicki Basehore, of 238 Ridge Hill Road, Mechanicsburg; Lynne Hathaway, of Valley Stream Apartments, Lansdale; Nancy Stoltzfus, of R1, Parkesburg; and James Rodgers, of R6, Gettysburg; Sharlene Reno, of R1, Enon Valley; Karyn England, of Williamsburg; Sandy Weisbrod, of R1, Lopez; and Rusty Russell, of R1, Alexandria.

Their selections climaxed the four-day institute in which 175 rural boys and girls participated in PAFC's youth education program.

William Lindley, assistant professor of Extension education at Penn State and institute program chairman, says that the 12 will receive expense-paid trips to the Indian convention.

They were chosen on the basis of a report covering local activities, a quiz on cooperative business functions, and participation in events at the institute.

At Purdue University, the delegates will take part in various programs to increase their knowledge of farmer cooperatives and agribusiness. They will join with 900 young agricultural leaders from all parts of the United States, Canada, and Puerto Rico.

Ronald Martin, Clifford Horning, Dorothy Meyer, Debra Hershberger, and Stephen Aument are

(Turn to Page B29)

Pennsylvania delegates to the annual meeting of the American Institute of Cooperation at Purdue University sponsored by the Pennsylvania Association of Farmer Cooperatives are front row from left: Vicki Basehore, of Mechanicsburg; Lynne Hathaway, of Lansdale; Debra Hershberger, of Quarryville; Karyn England, of Williamsburg; and Sandy Weisbrod, of Lopex. Back row from left: Ronald Martin, of Narvon; Sharlene Reno, of Enon Valley; Clifford Horning, of Denver; Dorothy Meyer, of Willow Street; and Thomas Roth, of Pottstown. At right are Mr. and Mrs. John Schwartz, of Gettysburg, who will chaperone the group.

Delegates to the annual meeting of the American Institute of Cooperation at Purdue University sponsored by Inter-State Milk Producers Cooperative are front row from left: Nancy Stoltzfus, of Parkesburg; and Margaret String, of Harrisonville, New Jersey. Back row, from left: Stephen Aument, of Quarryville; Rusty Russel, of Alexandria; James Rodgers, of Gettysburg; and Lynn Bullen, of Middletown, Delaware.

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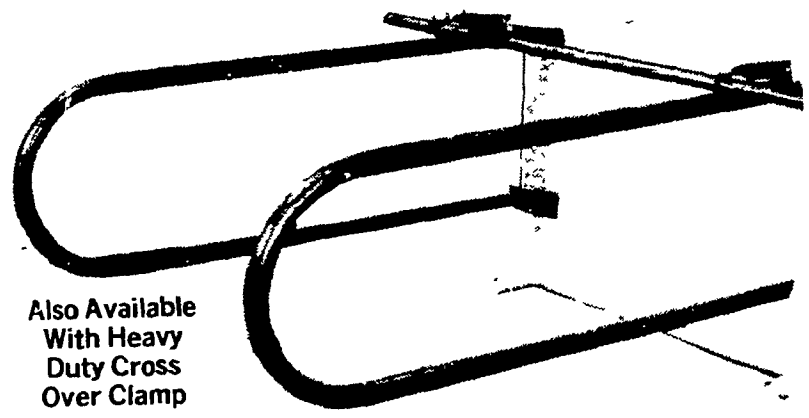

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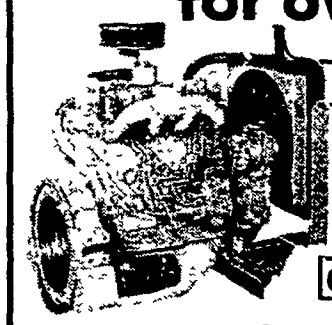

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Perry plans princess promotional sale

NEW BLOOMFIELD — A "special" heifer calf will be sold at the Perry Dairy Princess Promotional Sale on Friday night, August 6, at the Art Kling Sale Barn.

This calf is special because the Perry County Junior Holstein Club is selling her to raise funds to send Perry Junior Holstein members to the state Holstein Convention in Harrisburg, the National Holstein Convention in Kansas, and the Dairy Judging Contest at Penn State.

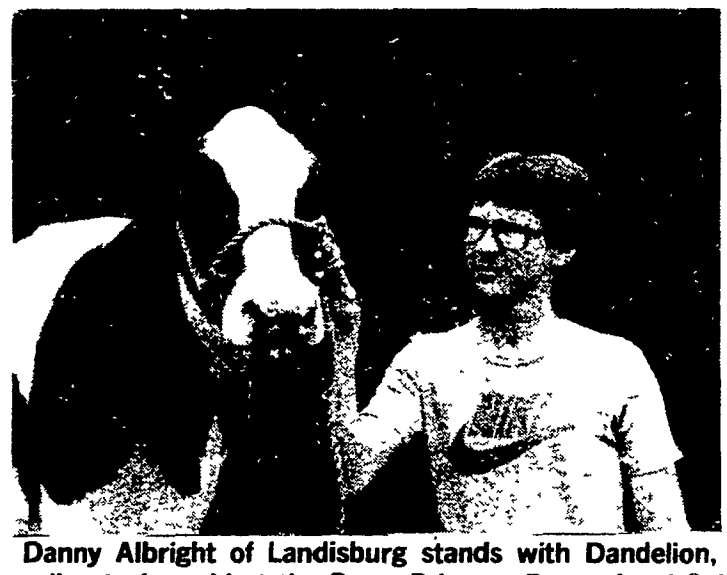
The calf, Alrada Litt-Ott Dandelion was born June 25, 1981, and her dam has a record of 20,048 pounds of milk in 327 days.

The calf is being donated by Alfred Albright and Sons of Alrada Farms in Landisburg.

Last year's calf, donated by Ken and Jane Benner, sold for $1850 and was purchased by the Kriebel Sisters of Stone Gables Farm.

This sale, in its fifth anniversary, will feature 50 top quality registered Holsteins.

The Art Kling Barn is located 12 miles north of Carlisle on Rt. 74, 2 1/2 miles northeast of Landisburg.



Danny Albright of Landisburg stands with Dandelion, a yearling to be sold at the Perry Princess Promotional Sale. Dandelion was donated by Alfred Albright and Sons and benefits will go to the Perry County Junior Holstein Club.

Angie Griebel wears crown

With a spectacular crowd of 3,500 people attending Town and Country Day at Snyder Valley Farms in Parker, recently, Angie Griebel, daughter of Mr. and Mrs. Joseph Griebel Jr. of Lucienda was crowned Clarion-Venango Dairy Princess. Here, last year's princess, Kim Proper of Titusville, crowns Angie.

Local 4-H horse club holds show

LANCASTER — Members of the Lancaster County 4-H Horse Club competed in 34 classes at the annual county show, Saturday, July 17, at the Lower Hopewell Horse Farm in Lititz. Eighty-one members participated.

The top three placings in each class, except two in Pair and one County team, will be eligible to enter the District Show on August 28 in York County.

Results are as follows:

Grooming and Showmanship
Junior

1 Allison Farrington, Speedwell Forge Road Lititz. 2 Sallie Gregory, Lititz. 3 Carla Melasecca Kirkwood R1

Grooming and Showmanship
Senior

1 Alida Farrington, Speedwell Forge Road Lititz. 2 Heather Howrey, Beaver Valley Pike 3 Pam McKinsey, East Petersburg

Open Trail
(13.2 hands and under)

1 Carla Melasecca. 2. Angie Heisey, Manheim 3 Wayne Stoltzfus Peach Bottom R1

Open Trail (over 13.2 hands)

1 Gail Graver, Conestoga R2. 2 Douglas Deibler, Lititz. 3 Rhonda Gibble, Manheim R2

County Team

Mary Ann Melasecca, Nichelle Ressler Elizabethtown R4, and Tammy Rymoff 230 N Chestnut St . Elizabethtown

Pleasure Pairs

1 Alida and Allison Farrington, 2 Jessica Watts, 67 Heck Road, Lititz, and Janet Wheat Manheim R5. 3 Jason Watts and Krista Knox Lititz R3

Stock Seat Equitation
Junior

1 Douglas Deibler, 2 Shawn Autrey Elizabethtown R1. 3 Jessica Watts

Stock Seat Equitation
Senior

1 Karen Hinerdeer, 3275 Marietta Ave 2 Alida Farrington. 3 Lynn Sherman, 750 Kayo Ave

Western Pleasure Ponies
(12.2 hands and under)

1 Jason Watts. 2 Krista Knox 3 Michelle Harris Manheim R2

Wester Pleasure Ponies
(over 12.2 hands and under 14 hands)

1 Chris Miller Lititz R3 2 Angie Heisey 3 Tina Redcay Denver R2

(Turn to Page B30)

State delegates

(Continued from Page B28)

delegates from the Lancaster Cooperative Council. Inter-State Milk Producers Cooperative is sponsoring Aument's trip.

Thomas Roth and Nancy Stoltzfus, are delegates from the Chester-Delaware Cooperative Council. Nancy's trip is sponsored by Inter-State Milk Producers.

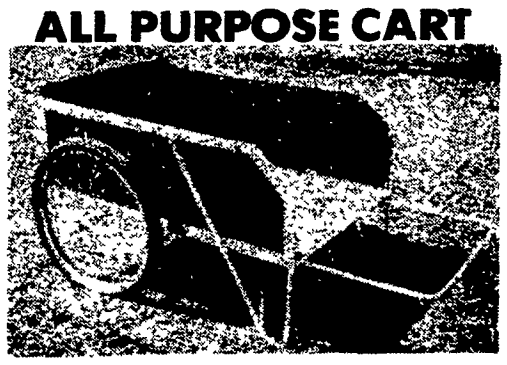
Vicki Basehore is a representative from the Cumberland-Perry Cooperative Council; James Rodgers is a delegate from the Adams-Franklin-York Cooperative Council; and Lynne Hathaway is a delegate from the Bucks-Montgomery Cooperative Council. Inter-State Milk Producers is sponsoring James Rodgers' trip to Purdue University.

Sharlene Reno is a representative of the Blazing Star Cooperative Council; Karyn England and Rusty Russell, an Inter-State Milk Producers delegate, are from the South Central Cooperative Council. Sandy Weisbrod is a delegate from the Sullivan-Bradford Cooperative Council.

Winner of the Institute's Pennsylvania scholarship award was presented to Clifford Horning. Sandy Weisbrod received the Pennsylvania leadership award. Both received plaques.

The PAFC youth institute was sponsored jointly by PAFC, local cooperative councils, and the Penn State College of Agriculture.

ALL PURPOSE CART



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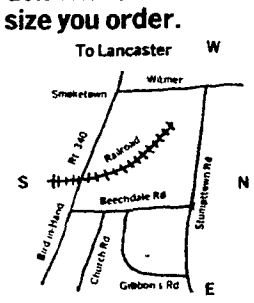

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for grind-mix milking rations

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Lebanon holds practice

LEBANON — The Lebanon Dairy Goat Club met recently at the Lebanon fairgrounds to learn trimming and showing techniques.

The next meeting will be held Saturday, August 28.

Keystone Pride

August ...

Pennsylvania Food Products Month

PA

WE'RE GROWING BETTER

Show

(Continued from Page B29)

Western Pleasure Ponies (over 14 hands)

1 Lynn Sherman 2 Alida Farrington 3 Sherry Zimmerman 2192 Old Philadelphia Pike

Western Riding Contest

1 Alida Farrington 2 Janet Wheat 3 Wayne Stoltzfus

Pole Bending Ponies

1 Wayne Stoltzfus 2 Jason Watts 3 Scott Snyder Lititz R3

Pole Bending Horses

1 Mike Charles Columbia R1 2 Melissa Charles Columbia R1 3 Rhonda Gibble

Clover Leal Barrel Race Ponies

1 Wayne Stoltzfus 2 Angie Heisey 3 Scott Snyder

Clover Barrel Race Horses

1 Melissa Charles 2 Mike Charles

Saddle Seat Equitation Junior

1 Mary Ewing

Saddle Seat Equitation Senior

1 Brook Sweigart Denver R3

Hunter Seat Equitation Not to Jump, Junior

1 Michelle Wentzel Elizabethtown 2 Shea Fitzpatrick Elizabethtown, 3 Allison Farrington

Hunter Seat Equitation Not to Jump, Senior

1 Valerie High 1398 Nissley Road Lititz 2 Nichelle Ressler Elizabethtown R4 3 Mary Ann Melasecca

Hunter Seat Equitation Over Jumps Junior

1 Carla Melasecca

Hunter Seat Equitation Over Jumps, Senior

1 Debbie Smart Quarryville R1

Saddle Seat Pleasure Ponies

1 Mary Ewing 2 Brook Sweigart

Saddle Seat Pleasure Horses

1 Nikke Brewer 239 Zartman Mill Road Lititz

Hunter Under Saddle Ponies

1 Carla Melasecca 2 Heather Wardell 210 Snavely Mill Road Lititz 3 Allison Farrington

Hunter Under Saddle Horses

1 Michelle Wentzel 2 Valerie High 3 Gail Graver

Working Hunter Ponies

1 Carla Melasecca 2 Shea Fitzpatrick

Working Hunter Horses

1 Gail Graver 2 Debbie Smart 3 Mary Ann Melasecca

Four Corner Stake (13.2 hands and under)

1 Wayne Stoltzfus 2 Brian Miller Manheim R4 3 Angie Heisey

Four Corner Stake (over 13 4 hands)

1 Mike Charles 2 Tammy Drumm Quarryville R3 3 Sallie Gregory

English Walk Trot

1 Peter Gockley 1055 Marie Ave Conestoga

Western Walk Jog

1 Andrew Allen Manheim R4 2 Tim Kauffman Pequea R1

Dairymen

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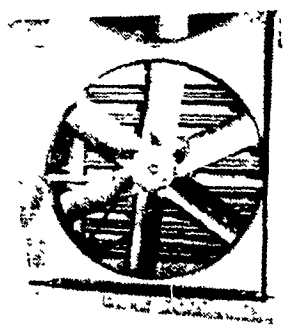
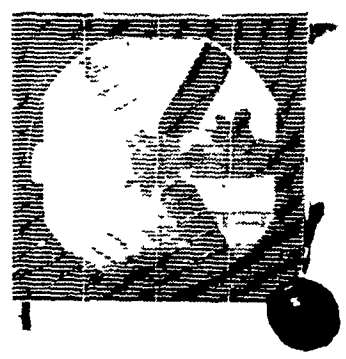


AIR-O-MATIC VENTILATION SYSTEMS



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MAILBOX MARKET

For Sale - Favorite Rabbit cages 30"x36" and 30"x60" like new Montg. Co 215-326-6327

For Sale - Five acre lot bordering game land #12, Sullivan Co 717 924-3756

For Sale - Weimaraner pups AKC reasonable male and female, call 717 834-3676 Perry Co

Wanted - Suffolk Ram 2 to 3 yr old Proven & six yearling ewes Perry County 717-567 6000

For Sale - 4 Belsaw sharp all, with attachments price $350 Also Gravely tractor w/attach Berks Co 215 562-4773

For Sale Ford farm tractor Ford 3000 exc condition call (609) 234 1153 Burlington Co , N J

For Sale Injection pump for Ford Major or 5000 $300 Injection pump for IH MD or 400D Sullivan Co 717-924-3847

For Sale - 9½' Heavy plank drag, $25.00. Tractor umbrella $25 00 Cultivators for Oliver 60 88 $85.00. Lebanon Co 717-273-6683 after 6 p m

Wanted Pulley to fit on a IHC Farmall 504 tractor PTO shaft Paul S Kann Cumb Co 717 243-4797

For Sale Used Int D-282 engine parts, some complete engines, prices negotiable, St. Marys Co 301-475-8949 after 5 p m

For Sale Used silo distributor excellent condition 1-717 665 6415 between 6 & 9 p m Lancaster Co

For Sale - Two Lamco silage wagons, 8' pickup racks, 30" cabinet fan, 13' field cultivator (717) 354 0338

For Sale Body parts for a 1972 Ply Cuda, many good parts 215 445-6807, before 5 00 p m Lanc Co

For Sale - Registered Polled Herefords 12 cows, rebred, 11 calves, 2 herd bulls, Gilead 115 son, $20,000 Braford Co 717 265 8798

For Sale IH 400 new paint good motor 717-734 3876 after 8 p m Juniata Co

For Sale 7 ft John Deere wheat binder Lanc Co Amos S Beiler, 11 N Kinzers Rd Kinzers PA 17535

For Sale Set of 12 hard surfaced knives for 782 NH Harvester and 1 row head Lanc Co 215 445 4637

For Sale Huskee Model No 165 gravity bin without gear $375 00 717 626-0329 Lanc Co

For Sale 1800 tile silo staves, steel rods, door frames, 12' silo roofs, 70' Badger silage auger conveyor 703-463-2376. Rockbridge Co

For Sale Oliver 4x16 semi-mtd plows, like new, auto re-set 301-378 4333

MAILBOX MARKET

For Sale - Polled Dorset sheep 15 Reg. Ewes, 1 Reg. Ram, 5 Ewes without papers $1975. For flock. Cumb 717-423-6732

For Sale - 2 refrigeration units, 1½ hp and 3 hp. both with blowers good condition Berks Co 215-689-5361

For Sale - 1971 Thunderbird 429 Eng new carburetor, new tires, Dauphin Co 1-717-566-0724

For Sale - 2-20.8x38 tractor tires ¼ to ⅓ tread good for duals asking $100 ea 814-926 2205 Somerset Co

For Sale - 79 Strick flat w/sides, 42 ft new brakes & drums, chains, binders & tarps. $7,500 00 phone 717-382-4625

For Sale - Oliver 70 RC tractor w/belt pulley, also small JD manure spreader, after 6 00 P M 717-933-8530 Berks

For Sale - Jamesway manure elevator also large reg & grade Holstein heifers popular bloodlines 20,000 + dams 215-257-5516. Bucks Co

For Sale - Chicken house accessories, 12-T feed bin, 2 yrs old hydraulic 2-way manure winch, etc. Lanc Co 717-786-2173

Wanted - Three point hitch for JD 70 or 720, reasonable priced, write Frank Thompson Box 86 RT 1 Marydel, De 21649

For Sale AKC toy collie puppies 2 males 6 weeks Aaron R Stoltzfoos Meeting House Rd Gap, Lanc Co 717-768-3416 or 717 768-3511

For Sale - Surge double 4 milk parlor, tube cooler and feeders Only used 18 months call 717-865 3655 anytime

For Sale - Brand new Dressmaker, sewing machine with all atachments 717-866 2702 Lebanon Co

For Sale - Ring-neck pheasants, 2 months old Bob White quail ready for flight Paul N Thompson Oxford, Pa 717-529 2430

For Sale 6 cyl White/Hercules, gas engine 80-100 hp Model G3400 needs overhaul $150 00 471 Detroit diesel Lanc Co 717 733 3890

For Sale McGraw Edison central air conditioner and electric heater unit 30KW tubing & controls $475 00 Cumberland Co 717-776-7694

For Sale Badger barn cleaner model 200 good condition Totem all tag-a-Along trailer, 13,000 lb capacity Union Co 717-966-1561

For Sale Backhoe and rear cylinder arms to mount on Mustang skid loader, good cond Cumb Co 717-423 6620

Wanted - Small piece of land on the Juniata between Amityhall and Thompsontown For Sale - 8' Schuylkill Co 717-345-8626

MAILBOX MARKET

For Sale Farmall M, on steel also V-460d, 50 H P Wisconsin & 7 H P Wisconsin w/clutch Lanc Co 717 656 8961

For Sale - 630 JD gas tractor, 3 pt hitch and JD four section harrow Berks Co 215-944-9693

For Sale School blackboards and tandem bicycle. Wanted barn roof painter. Leb Co. 717-933-8281

Gilts for Sale - 24 McLean County Bred Gilts All have due dates starting Sept. 1. Disease free. Berks Co 215-682-4160

For Sale - Black male lamb $45. Berks Co. 215-987-3761

For Sale - Guineas 1 day old to 5 weeks old. 75 cents to $1.50 call 215-779-3951

For Sale - New Holland 717 forage chopper with 2 row corn head, 9 knives (hardened) Cumberland Co. 717-776-7465

For Sale - Backhoe with loader mounted on MF 303 work bull, good working condition $2975 Dauphin Co 717-692-3170

For Sale - Early cut timothy hay. Bright-No rain Wayne Co. 717-785-3309

For Sale - Two year old registered quarter horse gelding, Danic Palomino, driving harness, w/collar, after 6 p.m. 215-987-6887. Berks Co.

For Sale 300-400 Bu. oats you haul out of field $1.80 per bu call after 6.00 p m. Adams Co 717-359-5932

For Sale - Cincinnati model 2MH horizontal milling machine, navy storage, excellent condition $4,500 Flemington, NJ 201-782 3391

For Sale - Reg. Am Alpine doe kids, excellent dairy stock, 5 mos. old. Breed this fall. 1 unreg. kid 215-253-8951

For Sale - AC-D17 with side mounted mower in excellent condition $3500. or best offer. Lehigh Co 215-398-1751

For Sale - 40 New Holland 7 ft knives new left hand $10.00 each York Co 717-235-2032

For Sale - 30" Snapper mower $100, 5 HP Roto spader $150, two section harrow $25 Adams Co. 717-528-4166, after 5 p m

Wanted - Sauder loader York Co 717-382-4629

For Sale - 15 large heifers, tested and due to calve from Sept. to middle Nov Lanc Co 215-445-4765

For Sale John Deere #9 sickle bar mower 3 pt hitch $250 York Co 717-252-3704

Wanted - Digging bucket for a JD 450 crawler. Boyd Matter Route 2, Box 77, Millerstown, Pa. 17062 717-444-3789 Juniata Co

For Sale - 1 set cattle scales, 1 cattle, squeeze newly painted, good shape, telephone 607 656-4320. Chen County, New York, State

For Sale - Used tractor tires, 2 only 14.9x28-4 ply and one tube All for $150.00 301-286 2840.

For Sale - Agway gestation breeding center wheel and large number of pins $150.00 Bucks Co 215-249-9809

For Sale - Registered Shropshire ewe and ram lambs, twins, excel breeding stock. Wanted - used 4 x6 ft. cart Chester Co 215-269-6967

For Sale - 2nd hand horse collars, in good condition. Amos Stoltzfus Box 232, Snake Hill Rd. Bird-in-Hand, Pa 17505

For Sale - Good stock bull, $600. service age. Roy S Fisher, Box 27, R3 Quarryville, Lanc Co Penna 17566

Wanted - Pony cart and harness in good condition. Christ L Zimmerman RT-1 Box 319, East Earl, Pa. 17519

MAILBOX MARKET

For Sale 1958 Int'l 170 Loadstar 6 cylinder 5&2 20' Grove rollback with winch $4,500 Del 1-302 378-2116

For Sale - 100 calf crates, 400 gal stainless steel tank, iron age sprayer for parts, call 717-933-8790 Berks

For Sale - Myers snow plow, 90" power angle, electronic control. Frame fits Chevrolet. Excellent Condition $1200.00/offer. 215-488-6134 Berks Co.

For Sale - Hay hauler, 1968 Int. C01700, 345 V8, 5 sp single, 20 ft. steel flatbed. Fauquier 703-825-4868

For Sale - NH model 962 4 row wide corn head V.G condition. Bulk tank Luzerne Co. call after 5.30 (717) 788-3248

For Sale - Fox silage blower table type belt drive $75 00. Ford baler 532 with thrower $1000 00 Carbon Co. 717-386-5678

For Sale - Crossbred ewes Corriedale, Finn, Hampshire, Suffolk Reasonable 2 to 5 years old Oxford, Chester Co. (215) 932-9638

For Sale - MF 300 combine w/cab, PS, 13' grain head (Universal picku reel) 2 row corn head. Lyc. Co 717-745-7466

For Sale - 48" Mott mower to fit Farmall Cub, complete with pulleys & hdwe. $225.00. 17' Kayak $35. Kirkwood 717-529-6715

For Sale Now - Started Pennobscott Capons also will do caponizing for others in the Lancaster area, E. Schopf, Mountville, (717) 285-5296

For Sale - Belt pulley for Int. utility 300 tractor Centre Co. 814-355-8315 after 7 p m

Notice - Auction - August 7, 10 a.m. Coles Point, Virginia. Lots of garden implements, shop tools, drill, grinder, vises, clamps (804) 333-4894

Wanted (1) Rim for For 8N. Size 11"x28" Call - days only Warren Co. N J 201-454-9920

For Sale - Chain link fence, 30" steel - 100' 36" aluminum 75' 1954 Chevy ½ ton 6 HP elec. Troy Bilt 301-398-9178

For Sale - MH 44 sp tractor, 3 pt. hitch $950 Monroe Co. 215-381-2286

For Sale - 15 hole chicken nests, Lanc. Co. 717-733 7132

For Sale - Virginia 300 acre farm, gentle rolling cecil loom soil. F E MacCauley Rt. 1, Box 232 Bumpass, VA 23024

Wanted - With or without motor David Bradley roto spader, Write R. Eisen smith RD#1, Mt Wolf, Pa 17347

Notice - Improve your calf crop with a quality Charolais herdsire. All ages available. York 717-432-5731

For Sale - 5-10 hole rollaway nests, 2 4' heated chicken waterers/stainless steel 5-20 lb hanging feeders 717-653-1714

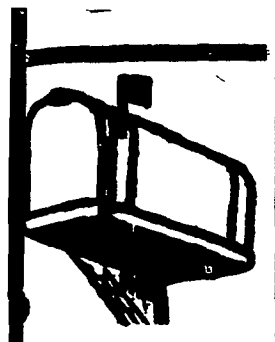
For Sale - AC-G tractors two completely disassembled w/cracked blocks, hand lift both for $1450 00 Mike 609-639 2410 or 609-921-2493 Mercer Co.

For Sale - JD 3940 chopper & 2R cornhead 1981 model, like new $9,900 703 439-3539

For Sale Khaki Campbell ducks, good layers, 1982 hatch. $2.00 and up Baltimore Co Maryland 301-922-4599

For Sale - Tank and 360 units semen from bulls Marvex, Bootnit, Capsule, & others. $1500 New Windsor, MD 301 775-7493

For Sale - Several heavy beams 4 - 8x8 - 26" long, 3 - 7x7-23' long several others 8 - 12' long Adams Co. 717-359-5165



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Limit your advertisement to 20 words; area code must be added to phone number and, due to repeated requests, please include your county for buyer and seller convenience; all advertisements must be mailed to the office by Tuesday or same will be held over for next week's paper; no business advertisements accepted.

Include your Lancaster Farming mailing label and mail to:

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Lititz, PA 17543

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MAILBOX MARKET

For Sale - One Purebred Duroc Boar Lanc. Co. 717-656-7045

For Sale - Beacon hay preserver applicator w/2 C02 cylinders & 4 barrels preserver make reasonable offer.- Lanc. Co 717-354-5691

For Rent - JD 4020 diesel, good condition, power steering, standard transmission, wfe, rent by day week, month, ½ yr. or year 717-786-3964

For Sale - Chihuahua puppies, six weeks old 3 miles south of New Holland. Benuel M Fisher Peters Road RD 2 17557 Lanc Co

We build or repair as you desire, wagons, conveyers, calf hutches, etc. 1 mi E of Wakefield along 272 Peach Bottom RD #1, Lanc Co Pa.

For Sale - Child's antique maple rocker, $95 Antique mahogany wine cellarete, $125. small magnies electric organ $50 717-394-7798 Lanc Co

For Sale - Fox Terrier pups, nice markings, $25 00 Lanc. Co 215-445-7191

For Sale - Plastic pipe 4 pc 3"x30', as new $100 Bolens 6 hp. high cleareance walking tractor & cultivator $200. West Chester 215-696-1703

For Sale - Purebred Collie puppies nice pets, $50 00 Elmer B Stoltzfus 102 N Ronks Rd., Ronks, Pa Lanc Co

For Sale - New Idea 8 ton manure spreader. Top beater and tailgate. $2250 Also rye Leb. Co. 717-949-3529. 10 p.m.

For Sale - 8 white fiberglass truck cap with sliding windows, excellent condition. $340.00 Lanc. Co 717-653-2753

For Rent - 88A Dairy Farm with Sealed silo. 60 free stalls Room for dry cows & heifers. 4-stall Surge milking parlor. 215-445-4272

For Sale - 4 Kennel dog pens, used only about 6 months. Painted tan trimmed in brown, make offer 717-354-5657

Wanted - Small incubator, electric. For Sale Horned Dorset yearling purebred ram $80 Montg Co. 215-754-7404

For Sale - 1974 3 bedroom mobile home White siding, kitchen cabinets and some paneling damaged. $3200 Berks Co 717-933-5368 or 717-933 4887

MAILBOX MARKET

For Sale - AC motor 24 H with H.D. 600 tobacco laths, Zook 2 row cultivator. E. Stoltzfus reset plow 717-768-8359

For Sale - AC 782 Harvester, 2 row corn head. Year old Registered Holstein bull from 20,000 lb. dam Lancaster County 717-442-8327

For Sale - Patz material handler 100 ft. for bunk feeder - New Centre County, PA 814-355-1922 or 814-355-1393

For Sale - New assembled aluminum storage shed 7'x10' $150. 10 hp. Kohler Toro riding mower 42" w/5 speed transmission & blade Lanc Co. 717-354-9357

For Sale - 1955 Chevrolet truck 14' flat bed, model 5700 tilted 21,000 lbs, $750. York Co. 717-235-5701

For Sale - Reg. Nubian dairy goat, freshened in July for winter milk. Cumberland Co. New Jersey 609-455-2458

For Sale - 3000 tobacco lath Lanc. Co. 717-872-2629

For Sale - Five Registered and Grade Holstein Heifers due August through November. Records on Dams. Clarion Co. 814-856-2769

For Sale - 8 yr. old Standardbred driving horse, traffic safe and sound. Henry L. Beiler, R1 Box 279 Kirkwood, Pa. 17536

For Sale - JD 24T Baler, as is or for parts, needs pick up $250 301-435-4403 Harford Co.

For Sale - Ayrshire bull calf, w/superior genetics Sires in pedigree: Betty's Gemini, Shareholder, Star Man, Greto's Boy II. 717-933-4385 933-4880

For Sale - Snow Crown Cauliflower plants by the 100 or 1000. Also Oliver 66 tractor w/cultivator Lanc. Co 717-733-2584

For Sale - 800 Hyline w/36 10 weeks old chickens Levi L Fisher RD 1 Box 299 Kirkwood, Pa 17536 Lancaster Co. 717-529-2113

Notice - Free. 10x40 concrete stave silo, must take down and haul away, no roof, Leb. Co 717-949-3847

For Sale - Electric Pallet Jack, 100 Pallets, Starkraft Tent Camps, 8' Truck Cap Berks Co 717-272-6376 or 717-933-4397

For Sale - Massey Harris #80 Self-propelled combine 12 ft. cut ready to go. Tioga Co $600 717-724-1582

Wanted - 7' semi-mounted grass mower in good condition prefer belt driven Lanc. Co. Elam F Lapp Box 330 RD #4 Lititz, PA 17543

For Sale - 8'x12' Wood or tool shed $200, 2 outside toilets, 20 window sash 32"x36", asbestos roofing, 717-354-5415. Lanc. Co

For Sale - VF4 Wisconsin engine for parts/repair $50, D311 cat. power unit $350. Emanuel G. Zook Kinzers #1 Box 252A Pa 17535

For Sale - 80 yr. old Andes Cookstove Restored and renickled. Large oven, warming oven, wood grates $895.00 Weekdays 10-5 717-755-2333

For Sale - Heavy JD disk 11'6" wide with Furrow filler Lanc Co. 215-445-4863

For Sale - Hale irrigation pump with 6 cyl Chrysler industrial engine. 1951 Ford 4 door sedan. Adams Co. 717-642-5230

For Sale - International 7' fast hitch mower, Eight Can Star Milk Cooler Decent Shape Lanc. Co 717-687-7926

Wanted - Turntable forks for front end loader 717-528-4475

For Sale - Int. 1600 trucks, one 69 4x4 dump $2500 00 one 75 cab and chassis $2700.00. Fred Co 301-293-2577

MAILBOX MARKET

For Sale - Air dried, 1" and 2" walnut and wild cherry furniture lumber Berks Co. 215 682-6094 after 9 p.m.

For Sale - Australian Blue Heeler puppies purebred, shots, wormed, raised on dairy farm, priced reasonable. 215-286-9052 Lanc. Co.

For Sale - IHC #8 flail chopper, new flails, good. NI 12' Fertilizer spreader good, stored inside Chester Co 215-869-9267

For Sale - Registered Hampshire sheep, 2 rams, will increase your muscling, breed type & lamb index ewes, Bucks Co. 215-343-1277

For Sale - 4 Registered Suffolk ewes and 1 grade hamp-Suffolk cross ewe. Aged between 1-5 years old Lanc. Co. 717-786-7716

For Sale - Fresh guernsey cow also 2 seated mennonite carriage call 717-354-5039

Wanted - floor model meat grinder size 32 or 42 1-phase. Lanc. Co. 717-354-6511

For Sale - 3 year old pony call 733-6732 and 20x70 sealed stave Madison silo with lading unloader. Best offer. call 738-1327

For Sale - 10 DeKalb bred gilts bred by Yorkshire boar John R. Zook 376 Voganville Rd New Holland, Pa. 17557

For Sale - 2 new round hay feeders all steel construction $129.00 Israel S. Beiler RD #1 Box 117 Christiana, PA 17509

For Sale - Farmall M on steel, V-460D - 50 H P. Wisconsin, without clutch, 7 H P Wisconsin w/clutch Lanc. Co. 717-656-8961

For Sale - Model 760 3006 pump rifle 12 ga reloader w/cabinet 2 horse poles Wanted drive axles. Lanc Co 717-354-9243

For Sale - Lely fertilizer spreader, new spinner and new bearings John S Stoltzfus RD1 Kirkwood Pa. Box 99 17536

For Sale - Wire corn crib, potato digger 2 row Oliver. Chester Co Ph 215-593-5044

For Sale - 1 H P Brunner, Unit $125.00 36" fan 2 speed motor with power shutters Montg Co 215 723-7158

For Sale 300 gal milkeeper bulk tank, good cond Snyder Co 717 539-8659

For Sale - Neatherland Dwarf Bunnies 6 weeks old $10.00 with pedigree papers Millersville, 717-872-2327

For Sale 7'x16" flatbed trailer twin axles 12" tires Hyd brakes 4000 lb. cap. $1000.00 Cumberland Co. 717-776-5237

For Sale - 2 - 13 ton gear 350 bu gravity wagon, 3 Behlen corn cribs, new 18' grain bin, Franklin Co 717-762-4985

For Sale - 4-sect 3 pt harrow. $250.00 good cond. 10' cultivator new, $500.00 2 way cylinder Dauphin Co. 717-469-2826

For Sale - 14 9x24 tractor tire never used. $120.00. Case Eagle hitch 14" plows 3 or 4 bottom. Perry Co. 717-567-9558

Wanted - Bins, to haul tomatoes with, in good condition. Cumberland Co. 717-532-7081

For Sale - 2 grade holstein heifers A1 bred due Sept. 16-25. Also, Germ. shep. mixed pups free. Berks Co. 215-779-5605

For Sale - ¾ Simmental stock bull, IH 234 mounted corn picker. Wanted, black male Shepherd puppy. Berks Co 215-926-3376

For Sale - 300 bale mulch hay easy loading. Sch Co 717-345-4489

For Sale - MF 3 point hitch 4 wheel rake $450 00 717-258-6682

For Sale Old barn chestnut lumber app 20x28x30 Cumb. Co 717 243-9402, call even after 6.00

MAILBOX MARKET

For Sale - 14' 10 wheeler alum. dump bed and telecopic hoist all alum $1000.00 Berks Co 215-286-9163

For Sale - Coon dog redbone male 4 yrs old, good looking big red hound that has speed Lanc. Co 215-445-6810

Wanted - 4-6 ton metal feed bin 20-30 h.p power unit John B. Zook Kinzer #1 17535 Box 145

For Sale - 200' good used 3 rail fence, used 10' silo roof, distributer, ladder. Stephen Lapp, Peters Rd. Kinzer, Pa. 17535

For Sale - MF tool bar cultivators $400, Ford 3 pt. cultivators $400, 5000 lb. Fairbanks-Morse scales York Co. 717-244-5130

For Sale - Toggenburg milker $75.00 Farmall H tractor $750.00 or best offer, will take part payment in hay Berks 717-865-3366

Wanted - 1 or 1½ ton horizontal feed mixer, capable of mixing liquid molasses. King, 562 Houtztown Rd. Myerstown, Pa 17067

For Sale - Roof coating, one 55 gallon each of Mighty Plate primer and Mighty Plate roof coating. 717-733-7424 or 717-859-2472

For Sale - 4000'6" complete irrigation system. JD 216 Forage Wagon. Shenandoah Co. Va. 703-459-3682

For Sale - 230 Locust post for sale $2.60 each 5" by 7' long 550 Beechdale Rd Bird-in-Hand Pa

Notice - for lease to farm within 5 miles of Strasburg - Holstein Heifer sired by Jemini just fresh. 717-687-8893

Wanted - 50' silo pipe, 9" preferred. Also 8" flat belt pulley Ivan W Martin R#3 Box 531 Ephrata, Pa 17522

For Sale - Brass mounted heavy team harness complete to hitch $200 perfect shape Poultry house on Skids Franklin Co 717 264-2990

For Sale - 50 DeKalb Sex Sal Pullets 20 weeks old $3.00 each Mahlon B Stauffer, Rt 1 Box 1276 Ephrata, Pa 17522

For Sale Golden Commet & Red Pullets 21 weeks old. 1240 S College St Myerstown, Pa 17067 Lebanon Co

Wanted - 125 bushel of rye - Balboa preferred Lanc. Co 717-872-5663

For Sale App mare - quiet & gentle $525 roan gelding $700 kids pony rides & drives $200 Perry Co 717 567-9773

For Sale - Reg Sorrel Thoroughbreds Big 4 yr. colt raced $650 Yearling Pa. Bred colt $1,200 Hershey Pa eves 717-534-1796

For Sale - farm 60-acres good barn West Perry Co D R Briner, New Germantown, Pa 17071 717-536-3130. after 5 30 p.m

For Sale - Small flatbed wagon w/sides $100, NI 12A manure spreader $200, Chev. 1971 truck 4WD $1500 York Co. 717-757-2960

For Sale - Yearling Hampshire Ram also, Hampshire ewe lambs York Co. 717-741-2222

For Sale Tobacco ladders: double $50, single w/wagon $30, papec feed mixer $250 8' off-set disc York Co. 717-927-6413

For Sale - 2 hive's of Honeybee's Amos F Beiler. 153 Mine Road, Paradise Pa 17562

For Sale - A K C registered, field bred black Labrador puppies $125 00 Berks Co 215 926 3086

Wanted - Musical instrument, old bass in any condition, call any time Berks Co 717-933-8862

For Sale - 8' portable auger 56' long-PTO driven in good condition $1200 Phone 717 367 3896 Lanc Co

MAILBOX MARKET

For Sale - Standard Bred carriage horse 17 hands high priced to sell. Lanc Co 215-445-4144

Wanted - Allis Chalmers small round baler. in useable condition 717 259-9820 York Co

For Sale - New cobbler potatoes $3 00 half bushel or $10.00 hundred Martindale Area Lanc Co even 215-445-5268

For Sale - Mare 7 yrs. old 14 hrs. Rides English & Western good show or 4-H prospect 1-717-229-2698 York Co.

For Sale - Pomeranian puppies Samuel F Stoltzfus RD#1 Kinzers, Pequea Vally Rd. Box 22A Pa. 17535

For Sale - Haylage 19.50 ton. corn silage. 22.50 ton. At farm local hauling available. Lancaster Co. 717-548-2716

Wanted - top beater assembly for Dion self unloading wagon Cumberland Co. 717-532-5010

For Sale - 4 lots in Rolling Green Memorial Park single or all 4 located Camp Hill, Pa. Juniata Co. 717-436-8303

Wanted - 1 or 2 gal. paint shaker that can be run w/gas engine. RD#1 Box 2904A Port Trevorton, Pa. 17864

For Sale - A.Q.H.A. Filly 16 months old. Dune. Very gentle & easy to handle. Had all shots. Dauphin Co. 717-469-7448

Wanted - 1, 2 or 3 head blocks No. 4784 G & Dogs for Geiser Peerless 8984 sawmill Northumberland Co. 717-425-2492

Wanted - Round steel tanks - 40 inch diameter 1-3 feet long; 1-4 feet long Lebanon Co 717-933-8580

For Sale - 8 yr Reg blk male or 10 wk blk male german shephard and 16" papec cutter 717-789-3394

For Sale - AC WD-45 w/loader, 3-16 mounted plow 9' disk - 12' spring harrow potato digger Sch Co 717-754 7457

For Sale - Simmental Hereford cows two 50%, four year-old cows, have had third calf Franklin Co 717 423-6216

For Sale - IH #55 10' chisel plow - like new $1,500 John Blue sprayer 300 gal alum tank, 717-536-3241 Perry Co

Wanted - 1200 bu Speedy wire corn crib 15-18 cows to freshen in Sept and Oct Leb Co 717-949-3134

For Sale Guernsey family milk cow 5 years old $400 or best offer York Co 717-927 6558

For Sale - Fireplace insert - Fisher woodburning, excellent condition. (215) 347 2152 Chester Co

For Sale Half Morgan/half Belgian 4 yr old gelding, Oliver Hart power tractor Sam J Stoltzfus Willow Hill Pa 17271

For Sale - 1966 Chevy impala 4 door with 283 engine #2 inspecton $500 00 717-896-8260 Dauphin Co. Halifax area

For Sale - AC WC tractor $295 Grain bin wagon $595. Brady manure tank spreader $95. 717-354-0266

For Sale - Potomac seed wheat cleaned and treated $5 50 per bushel Ezra H Beiler RD1 New Providence, Pa Lanc. Co

For Sale - Nearly new 16' grain truck bed with 3 ft sides Lanc. Co 717-548-3401

For Sale - Oliver #15 combine with motor $200 00 814-793-3160. Blair Co - Martinsburg Area

For Sale - 2 iron watering troughs 7' and 8', Minnich tobacco press, male poodle pup, toy poodle, free 717 626 6516

MAILBOX MARKET

Wanted 1 row used corn picker in good shape Perry Co 717-789-3422

For Sale Dairy goats Nations Top ADGA registered Nubian families Both sexes, all ages available Herd reduction sale specials! 717-334-7993

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For Sale - Like new Dion chuck wagon $1800. AC silo belt blower $300 very good. Bernville Area call 215-488-1422

For Sale - 50' air motor tower, new type w/wheel and gear box and tail From 7:00 to 8.30 A.M 301-452-5050

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For Sale - 2 Hereford bulls, ready to bred cows in fall 717-637-9068 York Co.

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For Sale - 2 NH balers both have Wisconsin engines & both work; NI hay crimper, best offers. Chester Co. 215-932-2339

MAILBOX MARKET

For Sale - Hamp Rams for excellent market lambs H. Showalter 109 Fulton St. Akron Lanc Co

For Sale - Pony saddle & bridle $50. Pony harness $75. Pony cart high wooden wheels $200 (717) 569-5150

For Sale - Pony wagon on rubber excellent condition $350 Beautiful 50" bay gelding trained the best $750 Lan Co 717 569-5150

For Sale DeKalb Laying Hens Full production now $3.00 each. David S Beiler 2498 Old Phila Pike Lanc Pa 17602

For Sale - Barn, slate roof, pegged timbers, weathered siding best offer. York Co Phone Lanc. 717-394-6017

For Sale - NH 276 baler with bale chute, flotation tires, good condition, $2400. 717-626-5033. Lanc. Co.

For Sale - 1964 GMC cattle truck, 18' bed, very good cond. 717-665-4743

For Sale - 2 cyl. Wisc. engine model T.H.D.; 1 horse tread power made in New York evenings 215-536-8291 Bucks Co.

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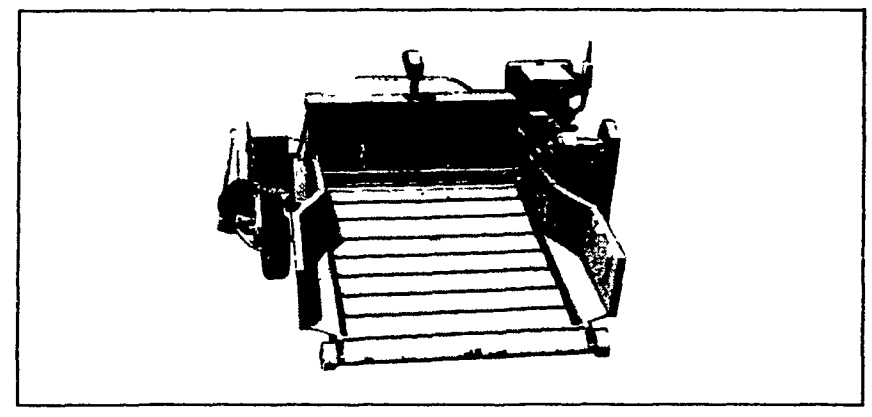

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Roland Rasmussen of Blair, Nebraska

"In addition to everything else, it's a management tool" . . . says rancher, Roland Rasmussen of Blair, Nebraska.

Roland farms 350 acres west of Blair, Nebraska, and fattens about 650 cattle from 600 lbs. to finish.

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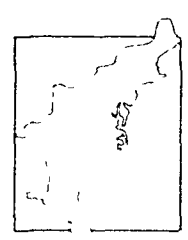

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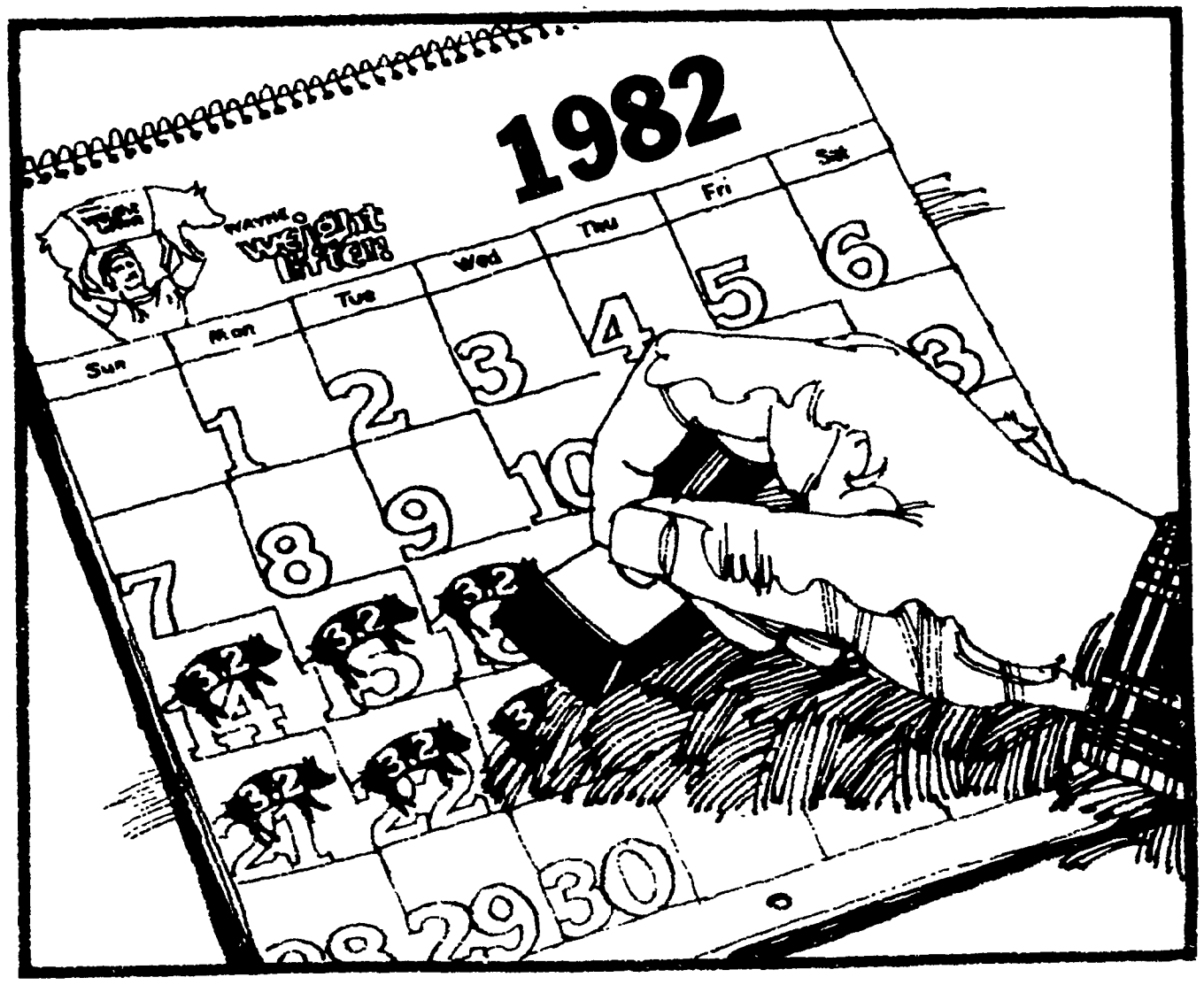

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Adams Holstein breeders tour Lancaster dairy farms

BY GINGER SECRIST MYERS
Staff Correspondent

GETTYSBURG — More than 85 Adams County Holstein breeders and their guests spent the day last Friday in Lancaster County visiting dairy operations in the number two county in the nation for cows per acre.

Serving as host for the day was dairy agent Glenn Shirk who told the visitors Lancaster County is so densely populated with dairy livestock and poultry operations that there is an estimated 14 tons of manure produced for each acre of crops grown. This type of situation, he said, has given rise to increasing manure management problems.

The Adams County group visited the farms of Nelson Hershey, Columbia; Raymond Reitz, Washington Boro; Glenn Burkholder, Washington Boro; Robert Kauffman, Elizabethtown; and Harold and Henry Shellenberger, Mount Joy.

The three farms visited during the morning session gave the breeders a contrast of free stall operations and tie stall situations.

At Nelson Hershey's Spring View Farm, Columbia, breeders viewed a new 90-cow freestall barn. The barn was built with the intent of expanding the present 70-cow herd as Nelson's son Clifford enters into the business. The barn features a poured slatted floor which needs no mechanical scraping. Ventilation within the barn is controlled by raising or lowering hinged sides and with circular fans mounted from the ceiling. Two similar circular fans hang in the milking parlor. Their wide, angled blades push the air downward, circulating a cool breeze over the cows' backs.

The Hersheys use heat exchangers to save energy and money. Water is heated to 140 degrees from the heat given off by compressors and stored in two holding tanks. The water from one tank is used to pre-heat water in the milkhouse. Heated water from the second tank flows to a hydrant in the free stall barn where it mixes with cold water for the cows to drink. Nelson claimed his cows like the warmer water and therefore drink more.

Just having started milking his own herd in December 1980, Raymond Reitz is a young dairyman who has his feet firmly on the ground. Reitz, who rents the farm from his father, converted the family livestock operation to a 55 cow dairy operation by gutting the barn and putting in free stalls. Reitz milks his 16,000 pound herd in a pre-fab parlor built by Agway. Reitz's father provided the capital for the improvements while Raymond financed the purchase of a small registered herd, a small grade herd, and a group of bred heifers. Reitz said he spends about 85 percent of his management time with the herd since that is where he feels he generates the most income. He currently has a 12.3 month calving interval.

Finishing off the morning session was a stop at the tie stall operation of the Glenn Burkholder family in Washington Boro. Though modest about their herd's achievements, last year the Burkholders' efficient, well-managed, homebred herd of 67 registered Holsteins pumped out an average production of 19,200 pounds of milk and cleared $1,600 per cow income over feed costs.

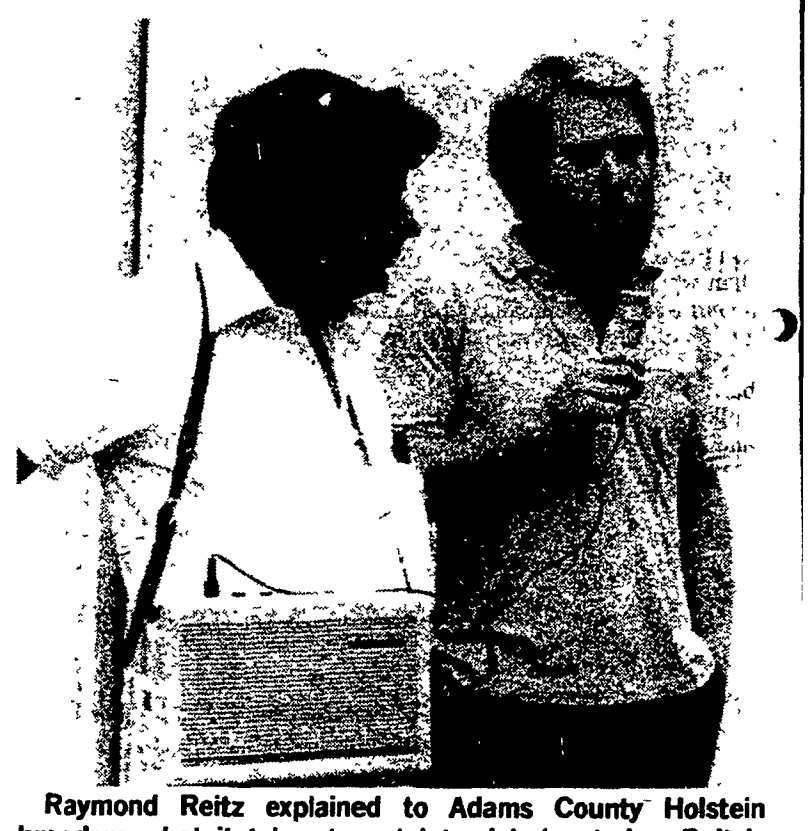
The "queen" of the herd stood out from the rest of the milking lineup and her dairyness and breed character was quick to attract the eye of any fancier of bovine conformation. She is a Burk Ann Evelyn Rocket, EX-90 with a cow index of plus 1227 of milk and plus 21 of fat. Contract mated to Dynamo for Atlantic Breeders Cooperative, she is projected to make her best 305-day record at age 6-05 with 24,670 pounds of milk, 848 pounds fat with a 3.4 percent test.

After lunch, the group traveled to Penn Spring Farm, owned and operated by Bob and Mim Kauffman and their son Steve.

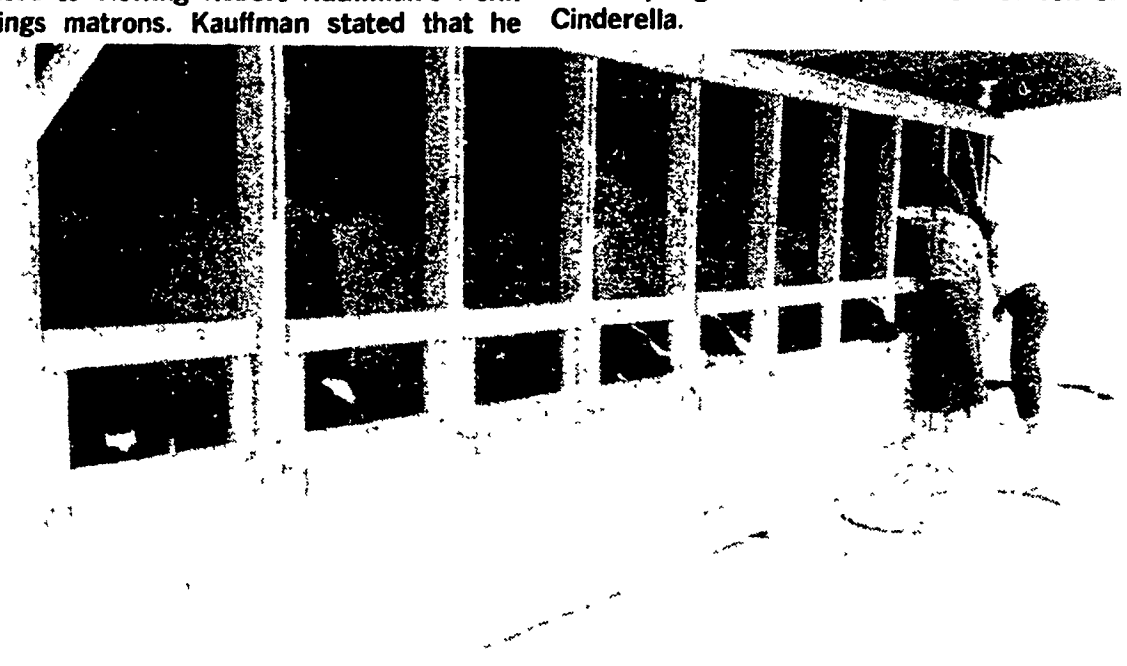
(Turn to Page C3)

Adams County Holstein breeders viewed the new 90-cow free stall barn of Nelson Hershey last Friday while touring herds in Lancaster County. The poured slatted floor needs no mechanical scraping and aids in heat detection since the cow's footing is more secure.

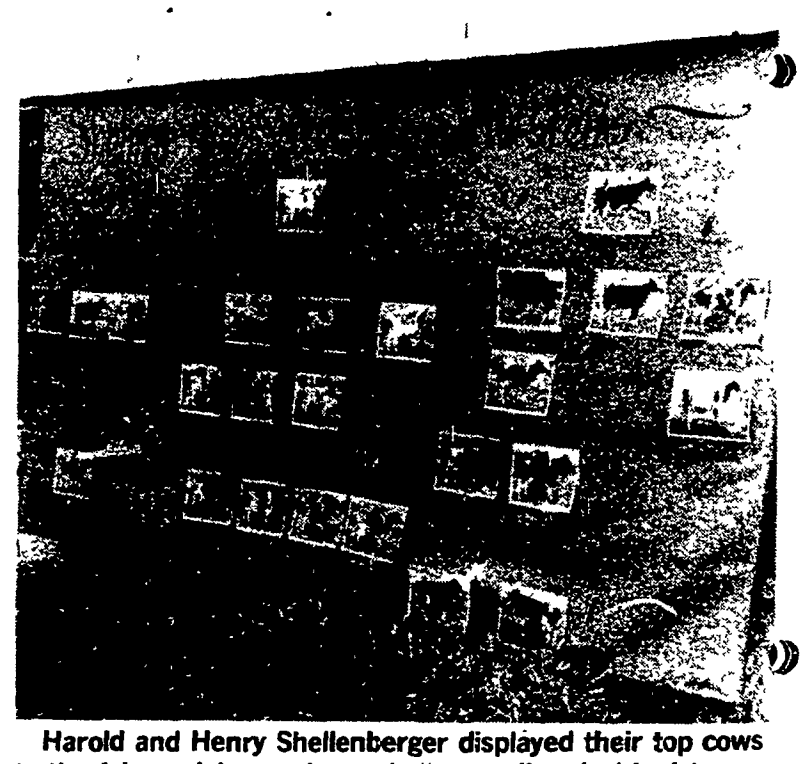
Adams County Holstein breeders were treated to viewing Robert Kauffman's Penn Springs matrons. Kauffman stated that he likes to milk cows and raise good bulls like 11-Penn Springs Character, the Starlite son of Cinderella.



Raymond Reitz explained to Adams County Holstein breeders what it takes to get into dairying today. Reitz's operation was an example of what a young farm couple can do to keep start-up costs low.



Peering curiously at the Adams County Holstein breeders touring Robert Kauffman's Penn Spring Farm, these calves are no strangers to attention. This particular calf housing design was purchased by the Kauffmans after viewing it last year at Ag Progress Days. The nine stall structure cost $1,800.



Harold and Henry Shellenberger displayed their top cows to the Adams dairy producers in "person" and with pictures. The Shellenbergers have a BAA of 104, a herd average of over 18,000 pounds, and have sent eight young sires to studs.

York's Bill Wise tops York judging contest

WELLSVILLE — Bill Wise of York County came out on top of the annual York County Livestock Judging contest for the second year in a row. The contest was held at Warrington Green Farms, recently.

Wise, in addition to being high individual overall, was high in sheep and reasons and placed fifth in beef. Other species winners included: Ernie Frey of Lancaster in beef and Nelson Beam of Chester County in swine.

Chester County captured first place in the team competition. The team consisted of Nelson Beam, Betsy Colket, Bill MacCauley. York County place second. Team members were Bill Wise, John Myers, and Tim Flory.

In the junior division, Debra Krause of Lehigh edged out Greg Strickler of Berks County to win the title of high junior individual. Though they scored evenly, the tie was broken on the placing of the mixed market steer class.

Species winners in the junior division included Richard Trexler of Lehigh County for Beef, Emily Weaver of Lancaster County for sheep, and Eddie Legg of Adams County for swine.

The high junior team was Lehigh county. Team members included Debra Krause, Richard Trexler,

(Turn to Page C4)

Senior winners from the Livestock Judging Contest are, from left, Bill MacCauley, Chester, fourth; Kim Lott, Adams, fifth; second row, Bill Wise, York, first for the second year in a row; Nelson Beam, Chester, second; and Betsy Colket, Chester, third.

The top five individuals in the junior category from the York Livestock Judging Contest are, from left, Debra Krause, Lehigh, first; Eddie Legg, Adams, fifth; second row, Greg Stricker, Berks, second; Nancy Townsend, York, fourth; Richard Trexler, Lehigh, third.

Adams Holstein tour

(Continued from Page C2)

Highlighting very few individuals in the herd, Kauffman stated simply that he likes to milk good cows. Out of the 70 head classified, Kauffmans have 10 excellents and 25 very goods.

Kauffman said a wide variety of bull semen is stored at the farm. They also are stabling three bulls on the farm — two in the process of being proven. One is a Starlite son out of the Cinderella cow. The other is a grandson of Cinderella and is sired by Betty Chief. Both bulls have daughters due to freshen this fall.

Turning westward and back toward Adams County the group finished their day with a stop at Shelmar-Acres Holsteins, Mount Joy, presently operated by two young brothers, Harold and Henry Shellenberger.

The Shellenbergers' herd average of more than 18,000 pounds of milk is actually lower than what the herd was producing a year ago. They explained that as their herd average leaped higher, they "lost their test." And as their butterfat declined, so did their milkcheck. Anxious to maintain and improve their test, they said they are now feeding sodium bicarbonate to their cows and are capitalizing on high test bulls such as Bell, Elmer, Sexation, Mars, and Very.

The Shellenbergers feed a total mix ration with a 24 percent protein haylage, corn silage, and a 20-25 percent moisture corn. They feed cows for 60-pound production with a 15 percent protein total mix. High producers receive a 22 percent topdress feed in the barn.

The Shellenberger brothers are cow breeders at heart. The flat-boned, fancy-uddered working cows carry a 104 BAA classification are living proof of that fact. The brothers have developed four strong cow families which include Shelmar Acres Tidy Jane EX-91 with records to 26,227 pounds of 4.0 percent milk and 1,365 days. Jane has eight sons in bull studs.

The Shellenbergers are just as proud that their cows do well for others as they do in the home herd. One cow that they sold privately was resold by her new owner in the Spring Fever Round-up Sale for $42,000. She is Shelmar-Acres Monitor Marella EX-90 as a three year old carrying a two year old record in 328 days of 17,980 pounds of milk with a 3.6 percent test and 646 pounds of butterfat.

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Ask the VMD

Donald Yorlets

Edgar Sheaffer

Leon Riegel

Our Ask the VMD column is designed to provide useful information and advice in the field of livestock health. Readers are encouraged to send questions to the column where they will be answered by our contributing veterinarians: Dr. Leon Riegel, Dr. Edgar Sheaffer and Dr. Donald Yorlets of Valley Animal Hospital in Palmyra. Questions may be sent to Ask the VMD, Lancaster Farming, Box 366, Lititz, Pa. 17543.

A reader asks:

What is Pinkeye? How prevalent is it in dairy cattle? What is the best possible treatment/prevention?

Dr. Riegel replies:

Pinkeye, also known as infectious keratoconjunctivitis, is found all over the world in most species of animals. Pinkeye is characterized by squinting of the eye, watery discharge, redness of the membranes around the eye and cloudiness of the cornea (the normally clear transparent outer portion of the eye).

In advanced stages, the cornea can ulcerate, rupture, and the eye can collapse, leading to permanent blindness. The economic loss occurs by slow growth in calves, reduced weight gains in feeder cattle, and reduced milk production in dairy cattle.

The primary cause of pinkeye is a bacteria called Moraxella bovis, but the mere presence of this bacteria in the eye does not mean an active case of the disease. For the disease to occur, the eye has to experience some form of irritation which can occur from the presence of some other bacteria such as Proteus, Corynebacterium, Bacillus, Staphylococcus, Streptococcus, or Pseudomonas; an organism called Mycoplasma, or viruses such as IBR or BVD.

The irritation can also be in the form of plant seeds, dust, prolonged exposure to bright sunlight, or face flies, which can also act as vectors in transmitting the infectious agents from one animal to another.

Prevention of disease should be centered at eliminating the irritations to the eye, such as controlling face flies, removing cattle from extremely dusty situations, providing shade for cattle on pasture, and clipping pastures that may have seed awns at eye level of the pastured cattle.

Each year I have experienced epidemics of pinkeye in cattle recently put on pastures which are too high or too mature. The awns of mature orchard grass are at eye level of young dairy calves put on this type of pasture and provide the irritation necessary to initiate the pinkeye complex. This type of pasture should be clipped before young cattle are turned out on them.

To prevent viruses such as the IBR virus from initiating the pinkeye complex, it has been found that local immunity can be built up in the eye by placing a drop of intranasal IBR vaccine in the eye of young calves when they are vaccinated for IBR.

Treatment of pinkeye consists of instilling antibiotic and possibly steroids into the eye and removing the irritation. In my practice, I generally inject the conjunctiva with a combination antibiotic and steroid, spray the eye with an appropriate antibiotic (nitrofurazone or neomycin) and put a patch over the eye to shut out sunlight, dust, and flies.

We salute you DAIRYMEN

Bill Wise

(Continued from Page C3)

and Lewis Trexler. Nancy Townsend, Connie Hoover, and Susie Eisenhart composed the second place junior team hailing from York County.

Further results from the contest are:

SENIOR DIVISION

Beef: 1. Ernie Frey, Lancaster; 2. Bryan Whitman, Lancaster; 3. Tim Flory, York; 4. Bill MacCauley, Chester; 5. Bill Wise, York.

Sheep: Bill Wise, York; 2. Betsy Colket, Chester; 3. Ruth Grimm, Lehigh; 4. Don Cairns, Chester; 5. Nelson Beam, Chester.

Swine: 1. Nelson Beam, Chester; 2. Jan Waltz, Lancaster; 3. Andy Cooper, Adams; 4. Glenn Batmann, Montgomery; 5. Kim Lott, Adams;

Reasons: 1. Bill Wise, York; 2. Bill MacCauley, Chester; 3. Eileen Fairbairn, Chester; 4. Lisa Dobrosky, York; 5. Don Cairns, Chester.

Individuals: 1. Bill Wise 2. Nelson Beam; 3. Betsy Colket; 4. Bill MacCauley; 5. Kim Lott; 6. John Myers, York; 7. Eileen Fairbairn; 8. Don Cairns; 9. Bryan Whitman; 10. Brian Hess, Lancaster.

Teams: 1. Chester: Nelson Beam, Betsy Colket, Bill MacCauley; 2. York: Bill Wise; Tim Flory, John Myers; 3. Lancaster: Bryan Whitman, Jan Waltz, Brian Hess; 4. Adams: Kim Lott, Candy Lott, Angie Dunchak; 5. Center: Ken Peters, Chad Cash, Osterling.

JUNIOR DIVISION

Beef: 1. Richard Trexler, Lehigh; 2. Greg Strickler, Berks; 3. Nancy Townsend, York; 4. Debra Krause, Lehigh; 5. Keith Baker, Cumberland.

Sheep: Emily Weaver, Lancaster; 2. Denise McMahon, Montgomery; 3. Kim Hopple, Cumberland; 4. Debra Krause, Lehigh; 5. Nicole Trexler, Lehigh.

Swine: 1. Eddie Legg, Adams; 2. Trudy Legg, Adams; 3. Connie Hoover, York; 4. Emily Weaver, Lancaster; 5. Kent Fischer, Berks.

Teams: 1. Lehigh: Debra Krause; Richard Trexler, Lewis Trexler; 2. York: Nancy Townsend, Connie Hoover, Susie Eisenhart; 3. Cumberland: Kim Hopple, Keith Baker, Don Sullivan; 4. Lancaster: Emily Weaver, Joe Garber, Ellen Lewis; 5. Berks: Kent Fischer, Greg Sticklr.

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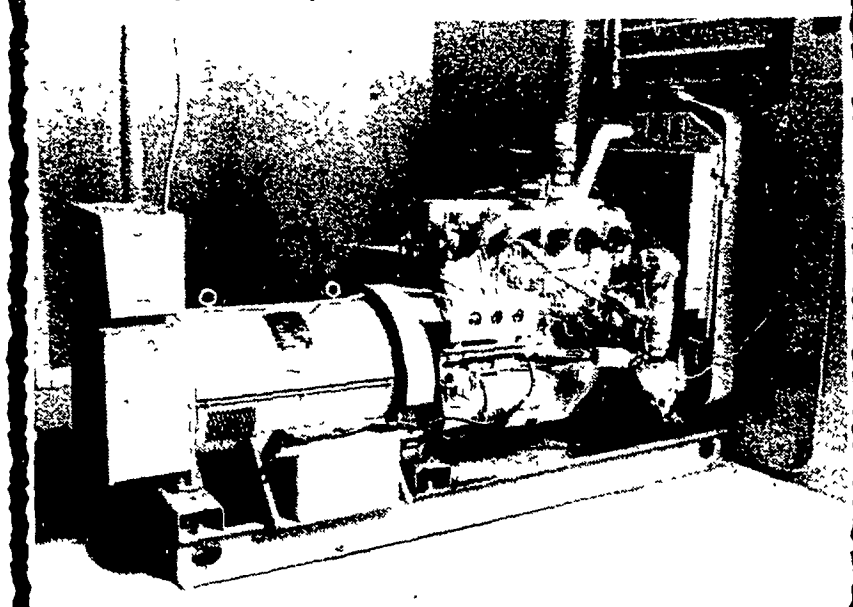

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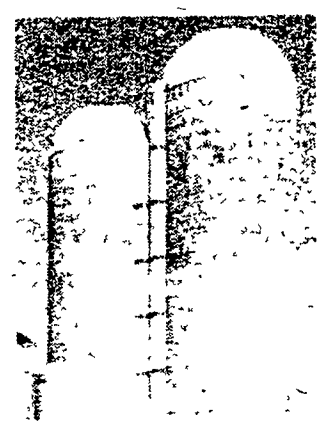

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Arthur Brown serves New Jersey's farmers

BY SHEILA MILLER

HERSHEY — When New Jersey's Agriculture Secretary arrived here for the Northeast Ag Secretaries' conference the seat filled for the past 26 years by Phillip Alampi was taken by the state's new agriculture secretary Arthur Brown.

Brown took over the Garden State's top ag post on July 1 after Alampi retired June 30. The 47-year-old secretary was greeted last week as the "youngest" member of NEASDA.

Arthur Brown, 47, became New Jersey's new secretary of agriculture on July 1 following the retirement of 26-year veteran Phillip Alampi. Brown, originally from a dairy farm in Massachusetts, "adopted" New Jersey and its flourishing horticultural industry 25 years ago.

During last week's ag secretaries conference in Hershey, Brown was recognized as the "youngest" member attending. While admiring the elaborate gardens. Brown and Pennsylvania's Secretary Penrose Hallowell reviewed the group's proposed resolutions. Brown felt "right at home" even though he was miles from Pomona, N.J., having received his master's degree in horticulture.

To follow in the footsteps of Alampi requires an individual who is able to take "long strides" for agriculture, and Brown comes to the job with mud on his shoes and hands, ready to go to work. Although he is a newcomer to the New Jersey Agriculture Department payroll, Brown spent 12 years as a vegetable marketing specialist with Rutgers University Extension. He served as a county agent in Atlantic County, known for its horticulture crops and gambling hotspots.

Brown continues to reside on a 20-acre farm near Pomona, N.J. with wife Carolyn and six children who range in age from 13 to 23. The farm produces blueberries, shrubs and other horticultural crops grown in the fields and greenhouses.

Although he was raised on a mixed-herd dairy farm in Blackstone, Massachusetts, Brown recalled that his interest in animal agriculture didn't continue after he received a bachelor of science degree in Animal Husbandry from the University of Massachusetts in

(Turn to Page C6)

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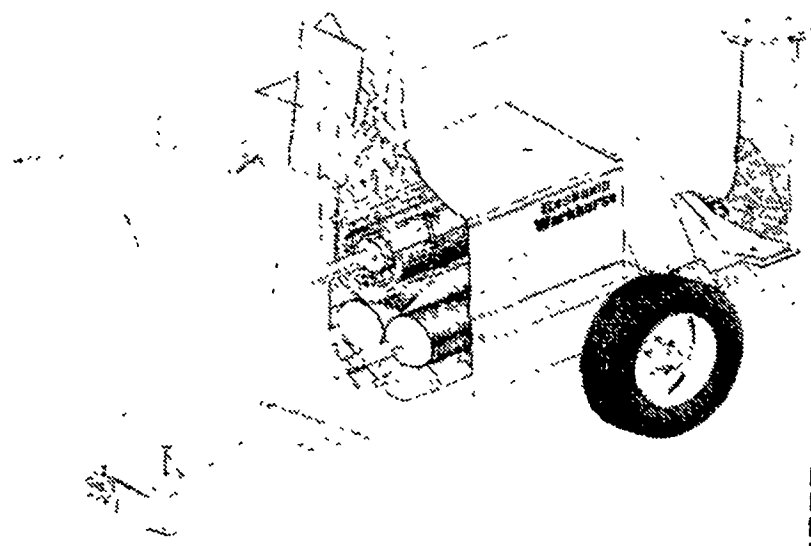

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Art Brown

(Continued from Page C5)

1957. During his undergraduate years, Brown recalled, he was influenced by a roommate from New Jersey to pursue a career in horticulture.

"My roommate's family was connected with Seabrook Frozen Foods," said Brown. "Since his father was one of the vice presidents, it was possible for me to get a summer job with the company."

The long hours put in as a student trainee didn't discourage Brown from following his interest in horticulture. Eventually Seabrook hired him to manage 5,000 acres of vegetable crops (peas, lima beans, sweet corn, spinach, and green beans), assist in the supervision of a processing plant, and head up the company's pesticide division.

After a nine-year career with Seabrook, Brown decided to join the ranks of county agricultural agents in 1971. While serving as Atlantic County's agricultural agent, Brown studied for his master's degree in horticulture at Cook College, part of Rutgers University. He received his advanced degree in 1976.

Now Brown has taken on the challenge of keeping New Jersey's agriculture from succumbing to the constant pressures of urban sprawl and economic hardships. Brown admitted he never had a plan or goal to become the state's ag leader. But, after encouragement from others in the farming field, Brown found himself submitting an application for the position.

A state Board of Agriculture, made up of eight farmers representing the major commodities, reviewed 20 applications and selected Brown as its choice. The decision was forwarded to Governor Thomas Kean for his approval.

Although Brown was only on the job one full week before his trip to Hershey, he had his list of priorities formulated:

- the Pinelands Program which would compensate farmers for depreciated land value due to legislation which would limit its use;
- the farmland retention bill which calls for a $50 million bond issue and matching funds; and
- the right-to-farm bill which is currently in legislation and is similar to the law recently passed in Pennsylvania.

"You can have all the farmland preservation you want; but if you don't have the right to farm it, why have it(farmland)?" asked Brown.

New Jersey, a forerunner and model state in the effort to preserve agricultural land, also is feeling the relief of a slowdown in land conversion to housing due to high interest rates and tight money. But, Brown cautioned, the pressures on preserving prime farmland will return once the economy improves.

As agriculture secretary, Brown is not facing the same problems some of his fellow secretaries are with overproduction in the dairy industry. In fact, Brown noted New Jersey only produces 25 percent of the milk it consumes — importing the other 75 percent.

Despite the fact that New Jersey is a milk deficit state, Brown said he plans to promote dairy and other agricultural products through market research.

"We need to teach the younger generation to bypass the soda stand and pick up milk," commented Brown. "We must work with the impressionable child, not the adults who have their minds made up; it's too late for them."

Brown, who will be serving a four-year term, announced that he plans to "look into inducement programs to get young farmers in agriculture." This could include low-interest loans, he said.

The new ag secretary also is concerned with the trend which finds wholesale prices fluctuating dramatically while retail prices hold steady. He recognizes farmers' increased operating costs cannot be recovered when wholesale prices drop. In some cases, the "middleman" has been eliminated through direct sales marketing in some of New Jersey's more populated areas, noted Brown.

"Roadside markets are more attractive to the small, part-time farmer than they are to the large, full-timers, however," commented Brown.

Brown stressed the need to continue research in agricultural marketing along with production. "We can't cut ag research in production or the country will run out of food," he projected. To ensure states do not waste money by studying the same types of problems, Brown said he will work toward an end to "research overlap."

When asked how he saw New Jersey's agricultural future, the secretary succinctly answered with one word — "bright."

Cavencrest sale averages $900

LANCASTER — A total of 67 head, including two just-born calves, averaged $900 each at the Cavencrest Canadian Classic Sale held at the Guernsey Sales Pavilion last Saturday.

Included in the sale were some 30 head of black and white Holsteins and the remainder red and white.

The black and white averaged $696 and the red and white a little over $1100, according to John Carpenter, of the Red and White Dairy Cattle Association, which managed the sale.

Topping the sale was Cavencrest Chieftess-Red, purchased by Robert Hoffman, North Leeds, Me., for $4,500. She was sired by High Silo Haven Jetstar. Her dam is Glenlockie Gertie Chieftain, with records as a four-year-old to 16,400M and 610 fat.

Second highest animal was Des Pins Sen Cristena-Red, consigned by Albrecht Farms, Guelph, Ontario, Canada, and sold to Donald Welk, of Strasburg, for $1,975.

An added consignment, Kenmore Dale Kemp-Red, brought $1,525 and sold to J. Edward Morris, of Weyers Cave, Va. A black and white, Cavencrest Citation Lass, was sold for $1,500 to Alfred Albright Landenberg.

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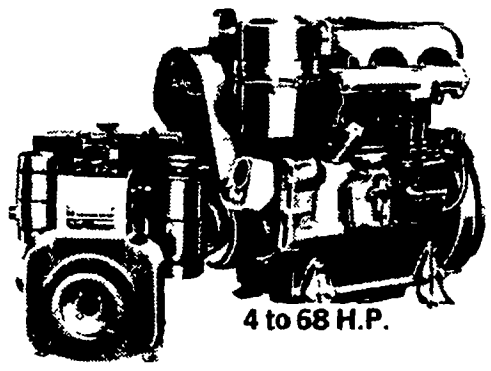

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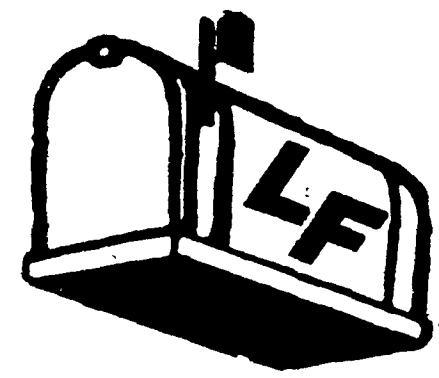

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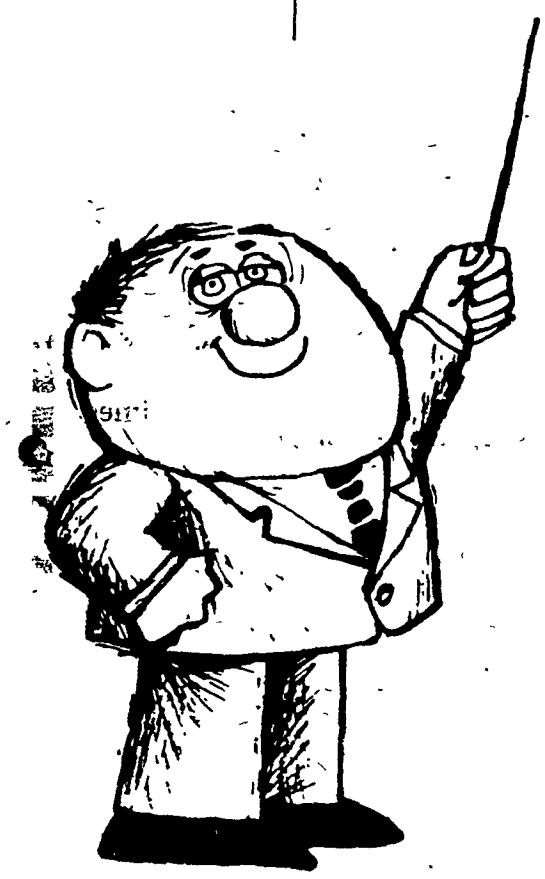

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FARM EQUIPMENT

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For Sale - JD 17' wing disc; Brillion 10' harrow transport; Brillion 11' cultipacker and two 4' packers; 1600 gal. liquid manure tank mounted on Chevy truck; also, 1½" glass pipeline for 50 cows and receiver jar. 717-944-4580 or 2853.

357 Hawk Bilt tandem axle spreader. 368 NH single axle spreader. 44 standard drinking cups. Two Clay barn cleaners with 225' heavy duty chain. 380' of 16" gutter grates. Lycoming Co. 717-494-1090.

For Sale - Ford 5-18" on land automatic reset plow. $1500, 717-656-2321 Leola, Pa.

For Sale - AC 185 with turbo, 960 hrs., exc. condition; also model 880 tub grinder, So. Lanc. Co. 717-548-2626.

For Sale - Farm I JL 306 skidding winch. Attaches to any 3 pt. hitch. Rated 25-50 HP PTO. Excellent for firewood/pulp wood. No reasonable offer refused. 717-667-2066.

Cat D-4 w/hyd. blade $3900, 7' Woods rotor motor, 3 point hitch $425. 301-838-6196.

2600 gal. Better Bilt vacuum tank spreader w/injectors, like new, 1 yr. old, $10,500; Zimmerman dairy and poultry manure auger, approx. 26'. 717-637-0192 early mornings or early evenings. To the man who bought Gebhart's manure auger, please call us — lost directions.

FARM EQUIPMENT

For Sale - 2 used Acorn cable barn cleaners, 170 & 180 ft. of cable, (2) 1½ h.p. reversing motors. Good for parts. Call after 7 P.M. 717-434-2697

JD 4010 diesel, wide front, excellent 814-793-4293

01 Frick sawmill $4,000; #2 American sawmill $1500; Bell sawmill, 6 mos. old make offer. Leroy Wray, Douglasville, 19518 215-385-3884

Wanted - 3 pt. hitch for Oliver 77 or 88 or for AC WD model. Thor Erickson, Hagerstown, MD. 301-739-8035

Melroe Bobcat Model 610 Skid Steer Loader, good condition $3000.

Trailevator enclosed Utility Trailer, trailer bed lowers to ground hydraulically for ease of loading $1500.

VILSMEIER EQUIPMENT INC.
Construction Equipment Sales & Parts
Route 309
Montgomeryville, PA 18936
Phone: 215-699-3533

JD 2510 gas, dual hydraulics, 3 pt. power steering, 3000 hours, 814-793-4293

Lilliston model 2000 rolling cultivator, 3 pt. hitch, 186" tool bar, units complete w/front and rear gangs, coulters, etc., $1,150. 412-837-8310 days or 412-423-2791 evenings

Snap Bean Harvester on Int. 666 hydro drive tractor complete with dump box $11,000. 609-769-3183

For Sale - 36' Little Giant Corn Elevator, like new $650. 717-687-0102

FARM EQUIPMENT

Used Farm Tractor Parts by the thousands. Wenger's. 717-866-2135.

Crawler Tractor Parts.
New and Used Parts Available for Cat, Allis Chalmers, IHC, Case, John Deere and others.
Rubber tired construction equipment parts available for Hough, Michigan, Galion and Cat Road Graders.
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VILSMEIER EQUIPMENT INC.
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Phone: 215-699-3533

Hydra Fold Auger Inc. - 6" or 8" gravity box auger; truck auger; grain bin drive unloading unit; little red toy wagon. 149 N. Market St., Paxton, IL 60957. 217-379-2614

Combine, 3300 JD, 422 hrs., looks like new. 814-926-3669

For Sale - Bale kicker wagons steel or wooden sides, complete with running gear or will put sides on your bed. 8x8x16, 18 or 20 ft. lengths. Also flat bed wagons. 1 mile north of Gap along Rt. 897 STOLTZFUS WOODWORK, RD #2, Gap, Pa. 17527. 717-442-8972.

1976 7060 AC tractor w/cab, duals 20.8x38 excellent condition. Call 215-932-2753

7G crawler loader, very good condition, asking $10,900. Will consider trade in. 717-367-9773

8 row White planter, excellent condition, 1 year old. For information call 215-932-2753

FARM EQUIPMENT

Ca[illegible] 1150 crawler loader, excellent condition $9,500. 301-663-6262

For Sale - Brillion Packer Seeder 8' and 10' with transport 717-687-0102

For Sale
Wisconsin Engine Parts
Cranks, heads, blocks, all reconditioned
T.J. Wheary & Sons
Lancaster, Pa.
717-687-0102

JD 4020 diesel, wf, dual hyd., diff. lock, good rubber, $7800. 717-597-7476.

JD 3010 gas tractor, NFE, JD 45 squareback combine, 2 heads, 12' grain, 2 row corn, IH 3-14" mounted plow. 215-257-4697.

Red River Special: treshing machine 28", Frick threshing machine 20", and IH grain binder 4' cut. 717-524-0486.

JD 3020 diesel tractor, side console, wf, good condition, $5850. 301-829-0271.

3 pt. 801 hitch for JD. 3 pt. hitch for WD AC. One pt. hitch for Cub Farmall. NH 68 baler $300. Harold L. Sample, Rt. 1, New Providence, PA 17560. 717-786-3087.

For Sale - Case 310 diesel crawler loader, very good cond.; 710 NI unicombine, very good con. $2,900; IH 225 hay swather, very good cond. 304-263-9801.

MF 410 diesel, hydro, 13' quick-tach, pickup reel, air, 23.1-26 eighty ply tires, exc. Monmouth Co. 609-259-7492.

D8006 Duetz, NH skid loader, 4R 5400 White corn planter, NH manure spreader, Onan electric generator, NI cut conditioner. 301-489-4041.

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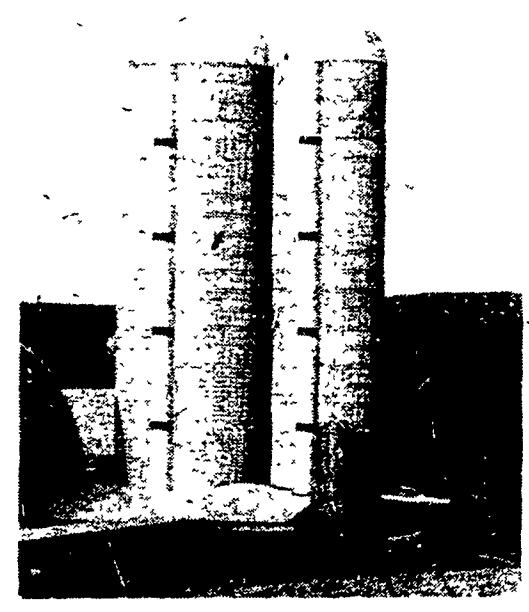

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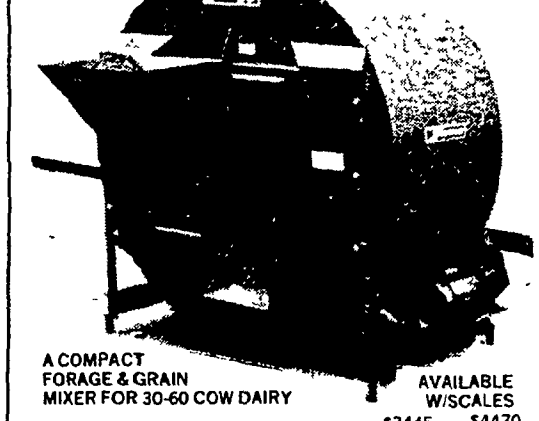

A COMPACT FORAGE & GRAIN MIXER FOR 30-60 COW DAIRY

AVAILABLE W/SCALES

STOP IN - SEE THIS UNIT ON DISPLAY - WILL TRADE YOUR USED EQUIPMENT

Size →	$3445 45 Cu. Ft.	$4470 80 Cu. Ft.
Width	64	76
Depth	55	64
Height	64	76
Drum	30x60	36x72
Drive	½ H P	1 H P
Intake Height	45	51
Discharge Height	14	20
Mix Time	1 3 Min	1 3 Min
Appro Weight	1050 lbs	1450 lbs
Capacity	36 Bushels (1500 lbs)	64 Bushels (2500 lbs)

NEW EQUIPMENT:
1 - 12' P&D UNLOADER W/5 H.P. Motor Complete - List $4300..... SALE $3300.00
1 - 56" Supreme Blower W/Clutch List $2095.00 ..... SALE $1495.00
1 - Silage Dump Scale w/Counter List $495.00 ..... SALE $250.00
24" Circulating Fan - ½ H.P. $125.00
36" Circulating Fan w/Motor $395.00

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TRUCK LOAD SALE — 4x4 & 4x8 TILE
70¢ Per Sq. Ft. - 12½ Sq. Ft. Box
Assorted Colors - Excellent for
Cow Trough, Bunk Trough, Milk House

USED EQUIPMENT:
14' Van Dale Silo Unloader $1800.00
24' Van Dale Silo Unloader $3000.00
Rebuilt 12' Starline Unloader $1700.00
Rebuilt 14' Starline Unloader $1800.00
Rebuilt 16' Starline Unloader $1900.00
Zook Manure Elevator (Good) $1200.00
Heavy 9" Auger w/Motor $350.00
10 H.P. Briggs Gas Engine $150.00
Rotary Scythe $1000.00
N.I. Single Row Picker $3000.00
Cummings Diesel Power Unit $4500.00

— CALL — SALES: WAYNE LLOYD
717-299-3721 OFFICE: LARRY HIESTAND

FARM EQUIPMENT

For Sale - JD 215 grain platform, JD 643 6 row corn head. 717-725-3072

1963 IH Emeryville twin screw tractor, 250 Cummins RT910 transmission, nice 20" tires, dependable, must see, $5,900. 1971 IH one ton chassis w/hoist, 11,000 lb. GVW, new paint and brakes, A-1 shape, $2,900. 1971 IH 2110A chassis and cab, 35,,000 lb. GVW, PS, air brakes, 478 V8 engine, Spicer 5 speed and 23,000 lb. 2 speed, 1000x20 tires, needs body work and paint, 84" C.A. w/PTO, as is, $1,950. 717-786-2522 or 717-786-7723.

To better serve you, our customer, we are now stocking - for sale - oxygen and acetylene gasses for welding and cutting, and all related accessories Weaver's Hardware Co., RD 4125, Fleetwood, Pa Phone 215-944-7486

JD 4010 turbo diesel, 115 hp, wfe, new rubber, $8750. JD 1440, no-till planter w/monitor $3500 Both excellent condition Cumberland Co. 717-532-8905

International 400 cyclo six row 30" planter w/coutill insecticide monitor and dry fertilizer attachments $5200 Handy 680 pressure washer $125 215-297-5155

NH 268 baler w/thrower, good condition, $1150 Lancaster Co. 717-733-7408 or after 5.30 215-267-3984

For Sale Case 730CK diesel tractor, motor fair condition. Also wheels, rims and parts, best offer. 703-459-5176

For Sale - Roto-baler built by AC, good working condition, $600 or best offer. 814-839-2440

For Sale - 9N Ford overhauled in Jan. 1982 good shape. Also Dearborn 24 disk 3 ft and Sauder snow blade to fit 9N Ford $1500. for 9N Ford. Call 717-687-6267 after 5:30 Lanc. Co.

For Sale - 2-row narrow corn head and hay pickup head for JD 35, 38, 3800, 3940 or 3960 harvesters. 717-838-6783

Rainbow irrigation pipe, 1500' 5" $1.65/foot 500' 6" $1.85/foot. 2 Smidley range feeders, 5 ton capacity, one $400, other no lid $200. Used Stoltzfus boom spreader box $400 Used barbed wire $5/roll. 717-473-3031 between 7 and 5.

M2 Gleaner combine w/13' grain and 430 corn heads, fully equipped w/floating cutterbar, paddletail tables and pacer efficiency monitor. 215-857-5754

Notice - We will be having gravity bin wagons again this year. Bell Road Wagon Shop, Box 280 Bell Road, R D. 1, Christiana, 17509, 1 mile south of Ninepoints on Bell Road

OC-4 Oliver dozer, blade front, winch rear, $1900. 717-244-5660

JD 630, rollamatic, 3 pt. hitch, hyd. 717-964-3097

#206 NI 4 wheel ground driven manure spreader, in new condition, asking $2200 215-723-6523

1 JD 3010 gas, wfe, $3950. 1 NH 707 harvester, CN & PU heads, $1950 Will haul Perry Co 717-536-3615

NH 354 feed grinder, excellent condition 717-292-4509

For Sale - IH 429 WN 4 row narrow corn head, will fit 503 combine, excellent condition Can arrange delivery anywhere 717-464 2874

FORAGE HARVESTERS
NH 717 and 1 row $1500
NH Super 717 and 1 row $2000
IHC 550 Pickup and 2 Row $1200
IHC 15 and 1 Row $400
NH S23 Blower $650
All in excellent condition
WENTZ FARM SUPPLY
Palm, Pa 215-679-7164

FARM EQUIPMENT

Ford 641 tractor 12 speed with 502 side mowr & 1200 Ford loader, 3 pt. trip, 2 bottom plows & Dearborne snow plow $3500. NH #68 baler with 50 thrower $650. David Brown 990 diesel 1750 hours, clean 717-395-3364

1 bale thrower wagon, very good shape $1000. 1 Chicago pneumatic air compressor, 2 hammer, 2 short wagons $150 ea., conveyor for bales, approx. 60' mow conveyor, 1 MF 4R corn planter, no fertilizer $200. 1 JD 4R planter $600. 609-358-8443

MF 110 manure spreader, good shape, new track, asking $500 717-432-3014.

NH Super 717 harvester, 1 row head, 540 rpm, good condition, $1650. 717-733-7408

Gehl TR188 2 row corn head attachment, good condition. Johnson Hurff 609-358-2565

JD #95 Combine total time 2837 hours, cab, air, hume reel, chopper #334 corn head, 3-30" rows, practically new, always stored inside $12,000. 717-792-1844

For Sale - NH 276 baler w/bale chute, flotation tires, good condition, $2400. 717-626-5033 Lanc. Co.

For Sale - 6 ft. 3 pt. flail mower 525, 14 ft. stone dump body, hydraulic drive highway mower $175. Lebanon Co. 717-866-2091

Portable truck scale 10'x60', 100,000 lb. capacity, $6,000. Frezzo Bros., Avondale 215-268-8258

Manure spreader horse drawn four iron wheels, metal bed, nice condition, needs minor work, $150, seat handbrake, 215-486-6346

Tobacco ladders - Double $50, single with wagon $30, Papec feed mixer $250, eight foot off set disc $200, York Co. 717-927-6413 or 717-927-9525

For Sale - Deutz 68-06 low hours, excellent condition, $8,500 or best offer. Lancaster County. 717-426-2659

Mist sprayer automatic demo self-contained 14HP Kohler combination row crop trailer skid mounted unit, 260 gal. tank, electric turn over discharge handgun $3,000. John Barnett, Elbridge, NY, 13060. 315-689-3168

For Sale - NH 352 grinder mixer, 40' Zimmerman elevator, IH #5 flail chopper, 45'6" Cardinal auger PTO driven, feed cart auger unloading 2 ton capacity. Union County. 717-966-2491

For Sale - IHC 806D tractor-TA $5900, JD 5x16" semi-mtd. plow $1,275, all itesm good condition. Call Mond. thru Fri. 7 A.M. to 5 P.M. 215-696-0376

Dunham cultimulcher, 12', 10 bearing holder, excellent condition, used very little, excellent for fall seeding of alfalfa and small grains, asking $2,700 or best offer. Corn silage $30 a ton, will deliver 215-593-5345

For Sale - 14 Disc steel wheel Ontario Grain drill. 301-452-8207

For Sale - Gehl CB600 2 row harvester, MC PTO corn binders, Olson stalk shredder, New Idea crimpers, New Holland rakes, Wisconsin VF4 engine w/clutch and starter Sam K Zook, RD #1, Box 89, Kirkwood, Pa 17536

For Sale - JD 2840, low hrs, exc. condition, $12,500. 717-896-3630

For Sale - JD 950 3 cyl. diesel, A-1 condition, low hrs., asking $6500 or best offer. Chester Co 215 384-2944

FARM EQUIPMENT

1980 Allis Chalmers Model 5040, 40 HP diesel tractor, lease tractor from Rutgers University Experiment Station, low hours, good condition $5595 00 Will deliver. Call Jack Wootton at Towne Tractor Co., Rte. 33 Freehold, N.J. 201-431-3838

For Sale - 6700 Ford tractor, show room condition, 900 hrs., dual power, power steering, full weight kit. $13,000. 717-538-1555

Farmall Cub tractor; AC 180D very good; (3) AC D-17; WD 45 wide; (2) AC C tractors, cultivators, plows & more, MH 44 gas, very good, Farmall B Single front wheel, Bearcat mixer mill, MF 124 hay baler, IH 420 hay baler, JD 1R corn harvester #34. 717-733-8708

2 Fox self-propelled 4 wheel drive harvesters w/3 row corn heads, good condition. Fox 2310 harvester w/2 row corn head, cut only 50 acres. IH 830 harvester w/2 row head, very good cond. Knight 14' Big Auggie mixer wagons, needs a little repair. NI Unisystem 704 tractor w/3 row 30" head, 729A sheller, sheller only 2 years old, very good cond. Connecticut. 203-758-2765, if busy 203-758-1201 Call anytime

For Sale - IH 13" chisel plow, 3 pt. hitch, depth wheels $1,500. 215-837-0847

For Sale - electric motors, used and new, 1/3 to 250 h p. 717-397-3773

For Sale - Case 800 self-propelled combine for parts, new chains and belts. 717-933-8415

Model 370, GT, grain dryer, excellent condition, $3500. JD 5 btm. plow, 16" hyd. reset, model 350 $1500. 717-587-1271

TD 9 Int., engine overhauled, $3500. 717-328-5814

For Sale - Myers potato sprayer, PTO driven, 500 gallon tank, exc. cond. $8,000. 215-837-0847.

Having discontinued dairy operation. For Sale: 1 Gehl self unloading forage wagon; silo blower with table, New Holland forage harvester with corn head N. 800. 717-683-5217.

12' JD roller harrow, $2000; 18' 520 MF disc, $4000. 215-297-5416

Wanted - IH 260A loader/backhoe, must be in good condition. 201-689-3586

5040 Allis Chalmers diesel tractor - 40 h.p., front and rear weights, live power, 3 pt. hitch, differential lock, remote hydraulics, has less than 1,000 hrs Excellent condition. 717-435-0333

For Sale - Gehl 800 recutter, reconditioned $2500 215-932-8382

For Sale - Used Badger Forage 10 ton wagon, $2,800. Phone 215-562-7218

MF 510 combine, 13' flex grain head, 4 row narrow corn head, best offer 717-898-2748

New Idea No. 270 cutditioner, good condition. Lanc Co 717-626-5100

JD flail mower, 25A 6' wide, excellent condition 717-263-3453

271 NH baler, good condition, $775, 717-733-7408

Case 830 diesel, wide front, good rubber, all round excellent condition $5,000 or best offer. Two half ton feed boxes on skids $25 00 each 609-882-1228

New Holland 770 forage harvester, 2 row wide corn head, pickup head, flotation tires, ear corn chute, excellent $4500 717-966-2043

510 D combine 13½ grain head, $12,000. Good condition. 301 343-0101 Call evenings

FARM EQUIPMENT

Datsun pneumatic tired 5000 lb. forklift. $400.
DENNIS M. MILLER EQUIPMENT
Rt. 22 Grantville, Pa.
717-838-1888 anytime
717-469-0937 daily

For Sale - AC bulldozer HD5, 8' blade, needs rear axle, $1,000. Oliver 1610 front end loader, large bucket, $350. 215-343-2444.

Allis Chalmers I-60 Wheel Loader backhoes $4,500
DENNIS M. MILLER EQUIPMENT
Rt. 22 Grantville, PA
717-838-1888 anytime
717-469-0937 daily

For Sale - Irrigation system. Pump 4" & 5" pipe, travelling gun (10 acres swath.) 717-898-8691

Model 350 IH disc harrow, 12', used 125-150 acres, $2200. Perry Co. 717-567-6059

Wanted - 1 row potato digger, Call John at Shiloh Farms 717-354-4936

Farmall 400G, recent overhaul, needs battery, good condition, $1600. 717-872-4048 after 5 p.m. Used galvanized pipe.

For Sale - JD KBA 12' transport disc, all new front blades and bearings, new paint in excellent condition, cylinder included $900. Northern, MD. 301-877-7015

Like new McCurdy gravity bin w/Gehl 6-ton running gear, Dunham 9' cultipacker $150, 210 gallon saddle mounted sprayer w/hydraulic pump and incorporation kit, will sell as complete unit or for parts. 717-529-2382

For Sale - T6 IH crawler. David H. Good's next sale August 4, 1982. 215-286-9163

For Sale - M.G.S. - self-propelled (tobacco, cutter) w/4 HP Colter engine. 717-426-2655 after 6

For Sale - Airco Torch 100' hose, Mapp tank $325. Two Airco AC/DC welders $400 - $500. Stanley 12 ga. Unishar for sheet metal $400. Hindley - Whitmore Ironworker $1,200. Speedaire 3 gal. paint tank 25' hose, Binks head 300, Hilti hammer drill $250. Engraved Y western show saddle, sterling silver trim, matching bridle, breastcoler white fleece blanket, saddlerack used very little $850. 717-345-3212

1979 AC 7060 model tractor w/cab, air conditioning, dual wheels. 215-932-2753 or 215-932-2754

JD 4010 tractor, NF, gas, excellent condition, $3,650. 301-875-2478 call anytime

NH TR 75
Pay New Holland what we owe and it's yours!

New White 2-85 Tractor
$21,750

New White 5100 Planters

MOWER CONDITIONERS
Ford 537 7'
$2995
NH 479
$3295
JD 1209
$3295

Oliver #15 Bale Thrower

SHEETS BROS.
New Holland, White
1061 Carlisle St.
Hanover, Penna.
717-632-3660

FARM EQUIPMENT

Used 197? K2 Gleaner combine w/cab, monitor, 10' grain head, 2 row corn head, excellent $18,000
Gleaner E combine, cab, 10' grain head, 2 row corn head $5,000
H4 AC bulldozer w/hydraulic angle blade $6,500
430 IH baler $1,000
990 IH haybine $1,200
1290 JD haybine $2,200
676 NH manure spreader w/hydraulic endgate $1,800
NI 2 row picker $5,000
New 238 NH 12 ton running gear, 11L15 tires and tubes $1,650
New 892 NH forage harvester w/flotation tires, heavy duty 1,000 RPM PTO shaft, long tongue and screen $9,500

FARNSWORTH SUPPLY
103 Cemetery Street
Hughesville, Pa. 17737
717-584-2106

NEW EQUIPMENT
WHITE -
2-55 Tractor
2-110 Tractor w/Cab
2-155 Tractor w/Cab
508 5-Bot. SAR Plow
588 5-Bot. SAR Plow

NEW IDEA-
213 Spreader w/Single Beater
244 Spreader
245 Spreader
325 Cornpicker
406 Rake
279 Cutditioner

GEHL-
3510 Skid Loader
FB99 Blower
BU 960 Forage Box

USED EQUIPMENT
Gehl 115 Grinder Mixer
Oliver 252 Disk, 11'6" Reconditioned
JD Semi Mtd. Hyd. Reset 5-Bot. 16" Plow
NI 214 Spreader, 3 Beater

MILLER EQUIPMENT CO.
RD 1 Bechtelsville, PA
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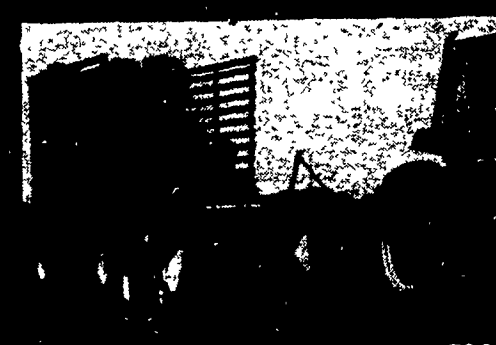

IH 435 baler w/thrower $7995
IH 1190 mower conditioner $6,985
IH 445 baler w thrower $8,995
IH 3/5 disk harrow & tractor $4,425
IH 1256 mower conditioner $6 225
IH 3020 with cab $5575
IH 2 bottom trip plow $8325
IH 3288 tractor 90 HP w cab $2750
IH 3088 tractor & Westfield auger $29 700
IH 3088 tractor & Westfield auger $33 900
IH 3088 $37 500
IH 540 Agri-diesel & 256 loader $17 150

(Also 584, 684 diesel tractors at special OLD prices)

One Only
IH 5088 Tractor w cab
*$37,500
With available rebate

USED TRACTORS & EQUIPMENT
IH 1256 mower conditioner $23,000
IH 1460 Bale Processor $9 750
Farmall 560 diesel & loader $8 750
Farmall 66 diesel & loader $13 750
Farmall 560 diesel $12 900
Oliver $1,200
Dual tandem wheels & tires $1,000
IH 820 Harvester & 2 row head $6500
NH 860 Harvester & 2 row head $3,750
JD 24T baler & thrower $1,500
IH 3 baler w thrower $800
Wilder 200 gallon sprayer $2,900
Wilder 300 gallon sprayer $1200
400 gallon plastic sprayer & mounting brackets & adjustable $1500
Allied 11' 3 bar harrows & packer 10 acres $2 150
NH 256 rake $1,500
IH #15 one row bale thrower $1 000
Jacobsen 254 Diesel tractor drive 30" mower w/ 60" snow blade & sweeper & 12" rotary broom & 48" front blade & 12" rotary broom & 48" front blade & rear blade & 12" rotary broom & 48" front blade & rear blade & 12" rotary broom & 48" front blade & rear

FARM EQUIPMENT

Horse Drawn Wooden Wheel Wagon
Horse Drawn Wooden Sleigh
Horse Drawn Grain Drill
Horse Drawn Hay Loader
NH 512 Manure Spreader, ex. cond. $2200

717-648-1120

FARM EQUIPMENT

Dismantling Combines for parts over 125 all makes and models. Call before you come. Late IH 815 & Gleaner L

TRACTORS

Oliver 88, live PTO hyd. & power steering.
Farmall Late M, clean
Farmall BN w/2 way plow
Ford 901 PS/3 pt. new tires
IH 300
(1) JD Late A
IH 240 w/fast hitch equipment, 2 btm. plow, disc, mower, cultivator, corn-planter, $2500

COMBINES

AC 60 pull
Gleaner C2 two heads
IH 203 10', PS $2500

TRUCKS

1970 IH w/24' bed
1965 IH twin screw w/250 Cummings, long frame for dump or 25' bed

HARVESTERS

IH 350 w/1 row and pickup $850
IH 50+ 650 w/2R and pick ups $875
JD 38 2R - $750
NH 717 1R $600
NH Cutter bar head fits 717 - $325

MISCELLANEOUS

2 unloading wagons $450 & $750
2 IH 56 blowers
AC Hopper blower $275
AC 302 baler w/thrower $680
NI 310 1 R picker $1850
NI 300 2R pull picker
IH PR 2R pull picker
Grass Mowers on hand
IH 430 baler w/thrower, real sharp $1500
IH rotabar rake
JD 483 haybine
IH 272 corn head
MF fits 300 & 400 combines 3RN

DISMANTLING TRACTORS FOR PARTS

JD 2010, 70D, 4010, IH F 14, A, B, C, H, M, 300, 350, 460, 460 Ut., Supers C, H. & M. JD A, B, 50 & 60. AC WD, Oliver 70 & 77. Ford 8N & 860. Case SC & V.A.C. Massey 44D, MF 85D, IH 400, MTA, 240, F20, WD D2 Cat crawler.
Dismantling 100 combines and 50 pickers for parts

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FOR SALE
JD 4240 diesel, Dual wheels, cab, air, FM stereo, hyd. float seat, exc. condition.
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Over 20 years experience with Ford tractors and equipment.
Shop & Road Service
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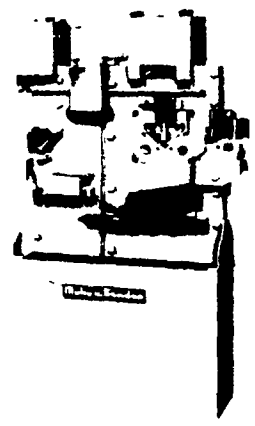

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One of Largest Stocks of Machinery In Area

FARM EQUIPMENT

NH 469 HAYBINE $950
NH 479 HAYBINE $3,000
JD 1209 HAYBINE $3,000
IH 37 BALER W/ THROWER EXCELLENT $950
IH 550 HARVESTER W/HAY HEAD & CORN HEAD
IH MODEL 350 FORAGE HARVESTER, HAY PICK-UP $250,
SICKLE BAR ATTACHMENT $75

SHOVER'S
Loysville, Pa.
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FARM EQUIPMENT

JD 730 diesel, electric start, 3 pt. hitch, fenders, exc. cond. 814-793-4293

JD 2010 gas, wide front, 3 pt 814-793-4293

JD 4020 diesel, dual hydraulics, year-round cab, exc. cond. 814-793-4293

NEW EQUIPMENT

Vicon 402 fertilizer spreader
Vicon hay rakes, 4 or 5 wheels
6 lug heavy duty carts w/band brakes
7,8 or 9' cultipackers

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456 NH mower, A-1 condition
Rebuilt #9 McCormick mower
Gehl C40 cutter w/shredder bars
#9 McCormick cutters
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PARTS

Vicon parts
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We stock new knives for #9, #17, C40 Gehl, 16" Papec, 19" Papec. Also New webs for the same plus Case.
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Complete line of McCormick knotter parts, sales and service
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JD 850 Tractor
JD 950 Tractor
JD 1050 Tractor
JD 2040 Tractor
JD 714 Forage Boxes
JD 1075 Running Gears
JD 1207, 1209 Mower Conditioners
Hesston 1014 Hyd. Swing Conditioner
JD 1710 Mulch Tiller
Bush Hog 1432 10½' Disc

USED EQUIPMENT

AC C & WC Tractors
Farmall H, MD, Super M Tractors
JD B Tractor
JD 520 Tractor
JD 720 Tractor
JD 3010 RCU Tractor
Ford 8N Tractor
JD 494A Planter
IHC 350 Mulch Packer
IHC 540, 550 4B Plows
JD F125 6B Plow
Ferguson 2B Plow
JD AW Disc 12'
Woods Cadet 60 Pull Type Mower
NH 6' Cutter
JD 507 Cutter
MF 41 Sickle Bar 3 pt. Mower
Mayrath 40' Elevator
NI Hay Rakes on steel
JD 95 combine w/plattorm
JD 434 corn hd.
AC C2 w/plattorm
AC 4R corn hd.
JD 45 combine w/plattorm
Plus other new and used equipment

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IHC 856, cab, original paint, 3 pt., 2600 hours. 814-793-4293

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AC 440, 4 Whl. Drive, Demo., like new
AC 190
AC 180 — IH 504
AC D19 — IH 300
AC 7030 — IH 450
AC 7040 — IH 340
AC 7050 — IH H
AC 7000
JD 2010 — JD B
JD 4010 — JD A
JD 70
Ford 4000 G
Ford 4000 D
Ferguson 65G
Ferguson 65D
Case 300 w/Loader
Case 800
Used Kubota 245 w/Loader, FWD
Used Kubota 245 FWD
Kubota 5100
Kubota 6100
Kubota 7100

Used Miller Discs 8½', 10'
New Rotary Scythe
Used Rotary Scythe w/engine

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Quarryville
Phone
717-786-7318

MF
SPERRY NEW HOLLAND

USED EQUIPMENT

Tractors
AC WD
MF 255, 200 hrs.
MF 285

Tillage
Case 5B Auto Reset Plow
MF 66 3B Plow
Pittsburgh 8' Disc
3 Section Drag Harrow
16' Drag Harrow

Hay Equipment
JD 480 Mower Cond.
AC 390 Mower Cond.
Hesston PT10 Mower Cond.
MF #12 Baler w/thrower
AC 303 Baler w/thrower
IH #37 Baler w/thrower
MF #3 Baler w/thrower
IHC 47 Baler
IHC Hay Conditioner
NH 404 Hay Conditioner
NI Hay Cond.
AC Forage Harvester
IHC Forage Harvester
(2) NH 717 Harvesters
NH Crop Chopper
MF #35 Rake

Combines
NH TR-70
Cat Hydro w/15' Table and 6RN C.H. (Demo)
(2) MF 300's w/cab, QA, 10' table and 2R C.H.
NH 975 Combine
NH 962 4 RW C.H.

Miscellaneous
Gehl 2600 Skid Loader
NH L35 Skid Loader
MF 160 Spreader
IH 13 Disc Drill
Ontario Disc Drill
6' Pull Type Rotary Cutter
IH 311 Rotary Cutter

MARLIN SCHREFFLER
Pitman, PA
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FARM EQUIPMENT

FOR SALE
8 KW PTO generator on wheels, $950
'74 IH cabover sleeper, 318 Detroit, twinscrew, low mileage, 10:20 radial tires, sliding 5th wheel PS, $9500.
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Ford Tractors Equipment
AVCO NEW IDEA
WE
HESSTON

USED EQUIPMENT

Ford 5600 Diesel
Ford 3000 Diesel
Oliver 1955
Oliver 5 Btm auto reset plow
MF 5B Semi-Mtd Plow
Ford 140 4B Mtd plow
Bush Hog 12' Disc Harrow
NH Bale Elevator
Grain Chief 450 Dryer
(2) White 5400 4R Planters
Noble 25' Field Cultivator
NI 402 Rake
Ford 2R 309 Planter
Ford 501 Rr Mower
White 8700 Combine Dsl Hydro, air
White 8600 Combine, dsl hydro, air
Fox 2310 Fg Harvester w/grinder and pickup
NH 320 Baler
1068 Haybuster no-till drill (demo)

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case

Hesston PT 10 Haybine, Real Good

New 3 pt. 12' Lever Harrow $800

JD #16 crop chopper, good shape

NH 1469 SP Haybine

1740 Case Skid Loader, good cond.

310 Bobcat Skid Loader, good cond.

Case 1816 Skid Loader

New NH TR85 Combine, 13' head, fully equipped.
Cash Price $57,000 or waiver of finance available.

Plus
Used Haybines, Manure Spreaders, and other good used equipment available.
Check with Ted on new Holland FREE FINANCE arrangements.

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717-243-2686

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Dover, Pa. 17315
Farm - Industrial Equipment
717-292-2631 717-292-4443
Ford Tractors Equipment

* Available On Ford tractor, from 12 to 350 HP, low interest rate of 9¾ percent. *

1200, 1500 4WD, 1700, 1900 4WD w/rebate on price.

* Tractor Selection to choose from - Cub Lowboys w/5' mowers, Prices vary *

Just received from the state-21 Cub Lowboys w/5' mowers. Selection to choose from, prices vary.

TRACTORS

New Ford 1200, 4 wh. dr., diesel, ag tires $5,900
New Ford 1500, 4 wh. dr., diesel, plus rebate $7,137
New Ford 1900, 4 wh. dr., diesel, plus rebate $9,332
2600 Ford, cab, front broom $12,995
5600 Ford, 4 wh. dr., Blue Power Special $21,000
JD Model 60, good shape $1,995
JD A w/2 row picker $1,500
5600 Ford w/canopy, 150 hrs. $12,995
3000 Ford, new paint $4,400
IHC Farmall C new paint $1,395
IHC Farmall Cub w/hyd. $1,795
2000 Ford, PS, nice, 1228 hrs. $5,900
5000 Ford diesel, new tires, new paint $5,900
Ford 9N gas, new paint, front bumper $1,695
David Brown 4600 select-o-matic diesel $1,995
IH Cub Lowboy model 154 w/model 3160 mower, undermount $3,900
AC D10 w/loader $3,995
4000 Ford SU w/loader $9,500
JD 4230 cab, air, good shape

TRACTORS & LOADERS

9N Ford over/under trans. $2,395
4000 SU Ford
Ford 550 TLB w/cab

TRACTORS, LOADERS, BACKHOE

555 Ford, demo, new backhoe $28,000
4500 Ford, diesel, good shape
JD TLB Serial # 3026-1-T-60, model 93 backhoe $5,900

EQUIPMENT

Owatonna Swather model 260, cab & air self-propelled, used 2 seasons $6,500
New Ford conditioner, model 538, 9' made by IHC $6,900
New Ford haybine model 537 $4,950
New Brady spreader model 141, 150 bu., special $2,495
NH model 975, self-propelled combine, 13' grain head $2,995
New Ford corn planter, 6 row, no-till, tires, fert. attach. & seed control
AC haybine Model 829 $795
New Lely tedder & rake $1,000
Ford model 670 forage harvester, hay & corn head
New Ford silo blower model 618

FARM EQUIPMENT

case

Case 2590 w/401 hrs., like new, fully equipped, still under warranty
MF 1100 Tractor
Case 580C Loader/Backhoe/Tractor.
1980 Massey Harris 450 Round Baler
Hesston 5600 Round Baler, traded for larger model.
NI 706 D Uni System A-1 Shape
Plus NI cut/ditioners & mow/ditioners, tractors & spreaders in stock at Good Prices.

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RD 1 Spring Mills, PA
(814) 422-8807,
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JOHN DEERE

JD 4440 Tractor w/cab
JD 4020 Tractor P.S. W.F.
JD 4010 Tractor propane
JD 3020 Tractor WF
JD 2640 Tractor w/145 Loader
JD 2440 Tractor
JD 2240 Tractor
JD 850 Tractor
JD MT Tractor w/plow, Cultv. and Mower
MF TO30 Tractor
Farmall M Tractor
Farmall H Tractor
IHC 656 Tractor
JD 170 Skid Steer Loader
JD 1209 Mower Conditioner
JD 336 Baler w/ejector
JD 24T Baler w/ejector
JD 7000 6R Consv. Planter w/Liquid Fert.
JD 1240 4R Plateless Corn Planter
JD 1440 No Till Corn Planter
NI 325 2R Corn Picker
JD 3800 Chopper w/2R corn head
JD 35 Chopper w/2R corn head
JD BWA Disc
JD B Plane 15 Disc Grain Drill
JD FB Grain Drill
JD 300 Corn Husker w/2R cornhead
JD 6620 Sidehill Combine w/215 Flex Platform & Cornhead
JD 6600 Combine w/15' Platform & 443 Corn Head
JD 105 Combine w/platform and corn head
Gleaner MKS II combine w/platform & 6R corn head
Gleaner A Combine
IHC 205 Combine w/13' platform
MF 300 Combine w/2R cultı & platform
JD 709 Rotary Mower
Bush Hog 160 PT Rotary Mower
JD 125 Chuck Wagon
JD 115 Chuck Wagon
NI 279 Cut/ditioner
JD 2800 6B Plow
JD 2800 5B Plow
JD 145 6B Plow
JD 1450 5B Plow
IHC 5B Plow
IHC 6B Plow
JD 27 Flail Shredder

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Whiteford, MD 21160
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Will buy & sell all types of horse drawn equipment. 215-593-5754

For Sale - JD 6600 sidehill, 6-30 corn head, cab, air, loaded, 1,000 hours shedded, exc. cond. and field ready. $32,000 215-845-3178 after 8 P.M.

FARM EQUIPMENT

Farm tires and tubes, fronts, rears and implements, low, low prices, Eddie's Tire Outlet, Willow Street, PA 717-464-5008 or Chambersburg, PH: 717-263-0013. Wilmington, DE 302-655-8500.

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3,000 gal. liquid manure tank
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Registered Holstein Bulls

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Gehl 120 grinder mixer, exc.
Badger bunk feeder wagon
New 3 pt. blades, 6 and 7 ft., special discount
JD 7' pusher blade
NH Super 26 blower, ex
Brady hay conditioner
AC 9' transport disk, excellent
AC forage wagon
New 6' bucket to fit Swartz or Oliver manure loader
Swartz feeder wagon, Model 190, 153 bu.
20' Steel rack bale thrower body in stock,..... special discount $1250
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NH 53A bale thrower
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Case 830 65 H.P. Dsl	$6750
JD 4020 Dsl. WF side hyds	$10,500
JD 2840 w/cab, air, 900 hrs.	$16,500
JD 6030 w/cab, air	$17,500
JD 4430 cab, air, QR	$19,750

USED EQUIPMENT

JD 7700 combine
JD 443 CH
(2) JD 444 Corn Hds
JD 643 CH
JD 15' SOLD Tach
MM 10' Wheel Disc
AC 3300 14'6" Disc
JD KBA 10' Disc
JD 230 Disc 21
Sunflower 24' Disc
JD 1450 6B Plow
JD F145 5-16 Plow
IH 4-14 Pull Plow
JD 24T Baler
JD 25 Forage Harv
Woods 7½' PT Mow
Brillic SOLD lower
Bush Hog 15' Bat Wing
JD RG4 Cult
JD RG630 Cult
JD 965 Rn Gear
Davis 20x4 Trencher
JD 46A Loader
Gehl 72 Chopper

Used Planters
Waiver avail until April 1983
AC 2R w/fert.
JD 494
JD 494A w/fert
JD 1240 Plateless
IH 56 6R w/Fert
IH 500 6R
JD 7000 6R Fert
JD 12RN Tool Bar
JD 7100 12 RN New Planter
(3) JD 7000 6RN Consv
JD 7000 12 RN Ft. Fld

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ZIMMERMAN PORTABLE ELEVATORS

A Versatile Economical Elevator for Bales and Ear Corn

WELL BALANCED, RUGGEDLY BUILT FOR MANY YEARS OF TROUBLE FREE SERVICE
28 ft... $1175 32 ft... $1250
36 Ft. and 40 Ft. Also Available

AVCO VM Diesel
ADAPTABLE TO MOST APPLICATIONS

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AC D19 Diesel	$2950
Case 930 Gas, 3 pt.	$3575
8N Ford	$1525

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Model 7140 Hesston Harvester w/rebeveled Grinder — one only
List....$8145
OUR PRICE....$5600
NEW HESSTON 3800 RAKE $1695
1091 HESSTON WINDROWER..... $6750
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1091 HESSTON WINDROWER..... $6400

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8 Miles East of Lancaster
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TRACTORS
JD 650 MF WD
JD 850
JD 2040
JD 2440
JD 2640
JD 2940 w/SG
JD 4040 w/RG & QR
JD 4240 w/SG & QR
JD 4440 w/SG & QR

TILLAGE EQUIPMENT
JD 215 11'5" Disc
JD 235 19'11" Disc
JD RM4 Cultivator
JD 2800 5B Plow
JD 1250 3B Plow

HAY TOOLS
JD 1209 Mower Cond.
JD 1320 Mower Cond. (Demo)
NH 474 & 489 Haybine
Thrower for 320
Matthews 9E Rotary Scythe
JD 327 & 347W Balers
NH 847 Round Baler
NH 38 Crop Chopper
NH 311 Balers

COMBINES & HEADS
JD 213, 215 Flex Platform
JD 444 Corn Head
JD 6620 Combine
JD 4420 Combine

PLANTING EQUIP.
JD 7000 Cons. Pltrs. 4R & 6RN
JD 8200 Plain Drills
JD 8350 Fert. Drills

OTHER EQUIPMENT
JD 145, 146, 148, 158, 260 Loader
JD 506, 606, 709 Mowers
JD 965, 1065, 1075 Wagons
JD 78 Blade
JD 392 Spreader
NH 513, 519, 679 Spreader
NH 14, 230, Wagons
Century 300 gal. Sprayer
Century 500 Gal. Sprayer
Hub 36' Elevator
DeLaval Manure Pump

USED EQUIPMENT
Ford 1300 w/front blade
JD 2040
JD 4230 Tractor w/RG
NH 791 Manure Spreader
JD 54 Manure Spreader
NH 320 Wire Baler w/hydratormatic & quarter turn chute
AC K2 Combine
NH 1002 Bale Wagon
IH 1 PR picker
IH 990 7' mower-conditioner
JD 244 corn head
JD 38 forage harvester w/2R head
Gehl 72 C flail harvester
Gehl 600 forage harvester
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FARM EQUIPMENT

HORSE EQUIPMENT
Nicholson Hay Tedder
IHC #9 Trailer Mower 7'
NI Rake and Tedder
NH 56 Hay Rake
NH 402 Hay Crimper
NH 404 Hay Crimper
Late Model Cunningham Crimper
NH 24' and 36' Elevator
TOM WHEARY
Lancaster, Pa.
717-687-0102

Farmers & Dealers -- Your advertising pays for itself when you advertise your equipment in the farm equipment section. 717-394-3047 or 717-626-1164

JD model 24-T baler with kicker, like new; #717 New Holland chopper, silver studded parade saddle with bridle. Phone 609-267-6949.

FARM EQUIPMENT

Wanted to buy - 3 pt. hitch for 730 diesel, 814-793-4293

72 JD 4020 side console, wide front, 2700 hours, 814-793-4293

PTO Nicholson Hay Tedder; 200 and 300 gal. sprayer; 3 pt. hitch for JD A or B. 717-687-0102 evenings.

Combine, Harvester and Corn Head Parts For Sale off used machines. Wenger's. 717-866-2135.

Old two cylinder John Deere fly wheels rebuilt with our patented steel draw- in hub which has the ability to tighten up on new or worn crank shafts. Also available new manufactured unbreakable fly wheels. Allen Machine Works, RD #7, Jonesboro, Tenn. 37699, 615-753-5738 day or night.

JOHN DEERE **Nothing runs like a Deere**

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Used 6600 JD Combine w/13' Grain Head and 4 RN Corn Heads
USED NH 1495 HAYBINE
No Finance Charge Till June 1, 1983

USED TRACTORS
JD 3010
JD 2640
JD 2840 w/Loader
Farmall A w/Cultv, Plow & Pulley

USED CORNPLANTERS
JD 1240
JD 1260 w/monitor
JD 246

USED HAY & FORAGE EQUIPMENT
JD 6600 Combine w/Grain Platform & 4RN Corn Head
JD 3800 Forage Harvester w/2RN
Fox 2200 Fg. Harv. w/2 heads
NH 3RN Corn Head
JD 244 Snapper Head for Fg. Harvester
JD 3RW Corn Head
NH 1002 Bale Wagon
NH 271 & 269 Balers w/Throwers
JD 14T w/Thrower
JD Hay Crimper
Hesston 1010 Swing Tongue.
OMC #216 9' Mower Cond.

USED TILLAGE
9 Shank Soil Saver
IH 13' Transp. Disc
Pittsburgh 12' Transport Disc.

MISCELLANEOUS
15 HP 3 phase elec. Grain Dryer Motor
NH 352 Grinder Mixer

No Finance Charge on JD New & Used Hay Equipment Until May 1, 1983

No Finance Charge on new and used JD tractors until Jan. 1, 1983

No Finance Charge on NH Hay and Forage Equipment till Jan. 1, 1983

NEW TRACTORS
JD 2040
JD 2640
JD 2940 SG
JD 2940 4 Whl. Dr.
JD 4240 RG

NEW HAY & FORAGE EQUIPMENT
JD 5720 SP Forage Harvester
NH 718, 782, 892 Fg. Harvesters
JD 3940 & 3960 Fg. Harvester
JD 506 Gyamor Mower
JD 25A Flail Mower
JD 337 & 347 Balers
NH 311 & 320 Balers
NH 847 851 Round Balers
NH 1495 SP Haybine
NH 489 & 495 Haybines
JD 660 Rake
NH 256 Rake
JD 714 Fg. Wagons
H&S Fg. Wagons

NEW PLANTERS
JD 7000 4 & 6 Row Consv.

NEW TILLAGE
JD 950 Roller Harrow
JD 2600 & 2700 4B Plows
JD 1600 Chisel Plow
JD 115 & 215 Disc Harrows
JD 215 Dura-Cushion Disc Harrow
Haybuster No-Till Drill Also for Rent

NEW SKID STEER LOADERS
Bobcat 743
Repo. 731

NEW SPREADERS
NH 519
JD 450 Hydro Push
Martin V Type & Scavenger
H&S Spreaders

NEW DRILLS
JD 8200 16x7

NEW MISCELLANEOUS
JD 335 Skid Sprayer
Most Model JD Loaders & Blades
EZ-Flo Gravity Boxes

Store Hours
Mon., Thur. Fri. 7:30 to 5:00
Sat. 8:00 to 3:00

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1 Block off I-81 Exit 8
Chambersburg, PA 17201
Phone: 717-263-4103

bobcat SPERRY NEW HOLLAND

FARM EQUIPMENT

MF 1080 diesel, cab, low hours, excellent condition. 814-793-4293

JD 3020 diesel, wide front, 814-793-4293

For Sale - New NH 310 roller super sweep pick-up, Flotation tires, $5,200. 717-768-3197

3010 JD tractor, gas, $3200; cultivators for B Farmall, $125. 301-253-3688

FARMALL TRACTORS
Cub Lo-Boy w/mower
Cub w/mower and S. Plow
Cub Disc Harrow
Super C w/f.h.
Cultv. for above tractors
IHC 2R f.h. corn planter
Mott 5' & 6' Hammer Knife Mowers 3 pt. h.
T.J. WHEARY & SONS
Lancaster, Pa.
717-687-0102 or 687-6553

FARM EQUIPMENT

Uni-system 705 power unit, 710 combine, 713 grain platform, 760 harvester, silage and hay heads, husking box, 4 row corn snapper head. 814-472-6752

For Sale - Woods L306 undermount mower, complete with all hydraulics and mounting kit, exc. condition, $700. 215-943-4573 after 8 p.m.

JD 95 COMBINE
4 row narrow, new engine, sell outright or trade for cattle, horses, livestock or machinery. Upper Marlboro, MD 301-627-1895

New Lely Clark Field-master 2000, pull type, dry box, 9500 lbs. capacity, $8000. 703-667-7217 after 6 p.m.

FARM EQUIPMENT

Ford 8000 tractor, fuel power, rubber like new, good condition. 717-786-2839

For Sale - JD 4020 wide front syncro range, good condition, price $6700. 717-532-7054

For Sale - Farmhand 815 grinder-mixer; 7 ton Schulbe bulk tank, both excellent condition. 301-239-3433

White 2-105, 600 hrs., $16,500. 814-643-4446 eves.

40' of silo pipe w/gooseneck. Permanent silo gooseneck. 717-463-3511

NH 717 chopper w/2 row wide corn head and pickup, new knives, good working order. 215-869-8745

FARM EQUIPMENT

Combines. Small or large from Ind., Ill., Corn belt sheddred machines, most headers available Wholesale prices, Call Collect "The Combine Man" Larry Stalter. 219-862-2151

For Sale - JD 730 diesel, WF, 3 pt. hitch, direct start, power steering. White 348 3-18 automatic reset mounted plow. Both exc. cond. JD 17x7 Disc Drill, good cond. 717-734-3084 after 8 p.m.

MF 510 combine with cab and quick attach heads, 13' grain, 4 row narrow corn, extra nice, best offer. Lancaster Co., PA 717-284-2761

Complete 25 hp Onan engine electric start, New. $650. Call after 6 p.m. 215-767-9186

FARM EQUIPMENT

NEW TRACTORS

JD 1050
JD 2440
JD 2940
JD 125 Ski Steer Loaders, Dsl. & Gas
JD 125 Skid Steer Loader Gas $12,500
JD 90 Skid Steer Loaders

NEW MACHINERY

JD 445 Spreaders N/T	$3975
JD 235 19' Disc	
JD 1209 Mower Conditioner	
JD 2700 5x18 Plow	
JD 1250 Plow 3x16	$1800 N/T
JD 1250 Plow 4x16	$2450.95
JD 7000 Conservation Corn Planters 4R & 6R	
JD 16x10 FF Drill	
JD 327 Baler w/ejector	

USED MACHINERY

JD 6600 Side Hill Combine w/15' platform 1978 model	$45,000
1-JD 55 Combine, 235 C.H. and 12' Platform	$7500
1974 IH 100 Hydro Tractor Motor overhauled March 1981	
AC 6080 Dsl. Tractor, 239 hrs., like new	$18,500
IHC 1066 Diesel Tractor w/cab, air, & heater	$14,000
IH 656 Tractor	$5500
JD 145 Plow, 5B 16"	$1750
2-18x4x30-8 Ply Tires and wheels for Gleaner Combine	
JD 800 SP Windrower	$3200
JD 1500 Power Till Seeder	$4000
FH10 Hesston Stacker and Mover	$4995

WALTER'S SALES & SERVICE, INC.
RD2 Box 49
Mifflinburg, Pa.
717-966-3778
JD Agricultural Dealer and CP

FARM EQUIPMENT

FIELD QUEEN FORAGE HARVESTERS

SEE THE NEW HESSTON TRACTOR LINE
40 to 60 HP

Special Price on White 2-105 Tractor and 508 SAR 4X18 Plow

NEW TILLAGE
12' Rhino Rock Flex Disc $4200
13' 245 Bush Hog Offset 26" Disc $7600
14' 1439 Bush Hog Disc

NEW EQUIPMENT
NI 802 Uni w/Harvester
Fox 6650 sp Harvester
Fox 6354 sp 4 WD Harvester
FQ 7655 Side Dump
Hesston 2000-150 Harvester
NI 708 Uni w/Air, $29,000.
Allen 20' Hyd. Rakes
Pequea Hay Tedders
Westgo 6R Cultivator

USED TRACTORS
Oliver 1850 D
JD 2510 Gas

Used Hesston 4800 Big Square Baler $25,000

USED HARVESTERS
MF 510 Dsl. Combine w/13' Soybean Head
IH 715 Combine, 13' grain & 3 Row Corn Head
Fox 3310
Fox 3000
Fox 503 Snapper Head
Fox 299 80" Flail Head
Field Queen Side Dump w/Det. engine, 3R Head & Pickup
Field Queen Standard 3R Head & Pickup
JD 3800
Gehl 600

NH 320 Baler W/Thrower, Like New

USED EQUIPMENT
Lely Double Wheel Rake 18 ft.
JD 1240 Planter
IH 400 4R Planter
12' Brady Shredder
Hesston Stackhand #30
Fox Blower
JD 7' Rotary
NI 323 1R Picker
Hesston 4 T10 Windrower
NH 479 Haybine
Hesston 1010, 1014, 10 & 12 Ft. Hydro Swing Windrower
NI 710 Combine
Little Giant 38' Elevator
Bush Hog 24' Soil Finisher
Glencoe 13 Shank Soil Saver
NH 442 Disc Mower
Woods 20' Bat Wing
NI Side Dump Wagon
JD 214 2 btr. wagon
IH 51 wagon, 3 btr. & roof
MC 7' Rotary Scythe
Schwartz 850 Mixer Wagon w/scales

STOLTZFUS FARM SERVICE
Cochranville, Pa.
215-593-2407

JOHN DEERE *Nothing runs like a Deere*

SPECIAL OF THE WEEK ON NEW EQUIPMENT

	List	SALE
JD 2600 plow 4 btm 16	$7 100	$6,000
JD 226 offset disk	$6 100	$4,250
JD 40 spreader	4,035	3,600
JD 445 ha spreader	5 150	4,250
JD 709 rotary cutter	2 590	2,250

NEW EQUIPMENT

	List	SALE
[illegible]	[illegible]	13,500
[illegible]	[illegible]	8,000

JULY USED EQUIPMENT SALE

TRACTORS

	List	SALE
[illegible]	[illegible]	$10,500
[illegible]	8 300	8,400
[illegible]	[illegible]	
[illegible]	7 200	6,200
[illegible]	[illegible]	
[illegible]	4 200	3,200
[illegible]	2 600	2,400
[illegible]	2 100	1,750
JD A w/72" mower	2 200	1,750
JD A	1 600	1,400
Case 995	6 850	6,800

BALERS & COMBINES

	List	SALE
JD 24T baler w/#2 ejector	$1 700	1495
JD 14T baler	$795	$650
JD 6620 combine [illegible]	62 500	58,000
JD 4400 combine	29 500	26,500
JD 643 corn head	11,900	10,000
JD 444 corn head	8 800	7,000
JD 215 platform	4 500	4,000

CORN PLANTERS & DISKS

	List	SALE
JD 7000 w min till coulters	$6 500	$5,200
JD 1240	3 000	2,400
JD 494A planter	$1495	1195
JD 290	350	300
IHC 56	2 600	1,800
JD KBA disk	1 200	800
Pittsburg disk	1 600	1,200
IHC disk	1 195	750

OTHER EQUIPMENT

	List	SALE
Grain drill 16x7	$3 000	$2,600
JD 110 chuck wagon	1 500	1,000
Woods forage blower 1 000 RPM	1 275	995
JD 35 harvester	2 800	2,500
JD #10 disc mower	250	200
JD 1209 mower conditioner	2 850	2,200
JD 125 plow 4 16	1 275	1,000
JD 145 plow	2 100	1,900
JD 48 loader	1 495	1,250
JD 37A loader	995	850
Woods 84 rotary cutter	1 795	1,600

Waiver of finance on Hay & Forage Equipment January 1, 1983
Waiver of finance on Corn Planters April 1, 1983

Waiver of finance on New & Used Tractors Janaury 1, 1983 John Deere money with the purchase of any new tractor

AUKER-ENA EQUIPMENT, INC.
Oakland Mills, PA 17067
717-463-3511 436-2235

MF Massey Ferguson

USED COMBINES:

1979 MF 760 V8 w/new 18' grain head hydro AC
1979 MF 750 w/13' grain table & 63 corn head hydro AC
1978 MF 750 w/13' grain head & 63 corn head hydro AC
1977 MF 750 w/14' grain head & 63 corn head hydro AC
1978 MF 540 w/13' grain head & 43 corn head AC
1977 White 8800 13' grain head w/4 or 6 row corn head hydro AC
1974 MF 760 hydro AC 14' grain head 63 corn head & 63 corn head
1977 MF 510 w/13' grain head & 44 corn head AC
1971 MF 510 w/13' grain head & 44 corn head
1974 White 8600 w/13' grain hd. & 4 row corn
1976 NH 1400 hydro AC 13' grain head & 4 row corn head
NH 975 w/13' grain head & 2 or 3 row corn head
Oliver 525 w/11' grain head & 2 row corn head
IH 205 w/10' grain & 2 row corn head
MF 510 gas 11' grain head
MF 410 gas w/10' grain head & 4 row corn head

USED TRACTORS:
MF 65 gas 1960
MF TO 35 w/loader

USED PLANTERS:
JD 1240 Plateless liquid or dry
White 5400 4 row no till dry fert.
JD 494 A 4 row
IH 56 4 row
IH 400 cyclo no till 4 row

USED INDUSTRIAL:
IHC 3616 backhoe loader
MF 200 crawler-loader

USED HAY & FORAGE EQUIP.
IH 46 baler
MF 200 forage harvester w/corn head & pickup
IH 50 forage harvester w/2 row corn & pickup
IH 55 forage harvester w/2 row corn & pickup

MISC. USED EQUIP.
JD 33 spreader
MF 15 grinder mixer
JD disc harrow

NEW COMBINES:
White 9700 Axiel flow
MF 860
MF 540

NEW TRACTORS:
White 4-210 tractor loaded
White 2-105 special price (loaded)
White 2-45
MF 285 w/cab AC
MF 265
MF 230
MF 210-4
MF 205

NEW MISC.
Fox 6354 4 WD self-propelled chopper
Brady 1800 folding chisel plow
Brady 3270 folding field cultivator
Taylorway hyd. folding disk 15'
MF 820 hyd. folding disc 15'
MF 725 haybines
MF 120 baler w/thrower
Allied grain dryers

FORAGE SPECIAL!
One new MF 200 harvester w/pickup head & 1 row corn head.
List - $7455
SALE $5400
Waiver of Finance Applies

GUS FARM EQUIPMENT, INC.
Intersection of Routes 616 & 214
Seven Valleys, PA
(717) 428-1967

ON OUR LOT TODAY... ON YOUR FARM TOMORROW

TRACTORS

JD 4230 w/sound guard, good cond.
JD 4020 synchro range trans., good cond., repainted and ready to go
JD 3010 diesel tractor, just reconditioned and painted
JD 2520 gas tractor, reconditioned and repainted, narrow front end.

OTHER EQUIPMENT

JD 6600 sidehill combine w/new feeder house, 643 corn head & 215 flex platform.
8300 JD grain drill, 21x7, 2 yrs old, no fertilizer, w/grass, seed attachment.
1979 JD 410 round baler.
1979 JD 30 ejector (fits 24T, 336, 346 balers).
JD 444 corn head, 4 row wide.

OXFORD GREENLINE, INC.
RD 1, Oxford, PA
PAGE
215-932-2753
215-932-2754

Hours
7:30 A.M. - 5:00 P.M. thru Fri.
7:30 A.M. - 12:00 P.M. Sat.

John Deere design, dependability and dealers make the difference

FARM EQUIPMENT

NEW HOLLAND
283 BALER
w/THROWER
Real Good Condition

Paul Shover's Inc.
35 E. Willow Street
Carlisle, PA
717-243-2686

JOHN DEERE

USED TRACTORS
JD 620 Tricycle
JD 450 Crawler/Loader
(2) JD 50's, 1 w/cult.
JD "A" w/45 Loader
JD "A" w/Kosch Mower
JD 4040 Power Shift, 125 Hours, like new
JD 4640, 485 Hrs., Cab, Air, AM-FM, Duals, Power Shift, 150 HP, Loaded, Nice Cond
IHC H Tricycle
Int Cub Lo Boy w/60" Mower
Ferguson TO-30
Ford 9N

NEW CHOPPERS, MIXER
JD 16A Chopper - Shop Worn - Low Price - $3995
NH 38 Chopper - Shop Worn - Low Price - $4250
NH 353 Grinder Mixer - $5895

NEW COMBINE
JD 6620 Combine, 15' Table, 6-Row Cornhead

USED COMBINE
JD 4400 w/Choice of Heads
JD 215 Grain Table, Used 1 Season
Coming In-6600 Side Hill Combine w/Table & Cornhead

USED HAYBINES
NH 479 9 Haybine
NI Mow/ditioner

USED BALERS
NH 283 Baler, Good Cond. 16 x18" Bales
NH 269 Baler w/Thrower
NH 53 Bale Thrower

SKID STEER LOADER
New Hd NH L425 skid steer loader, demonstrated, 2 buckets

★ **NEW MACHINES**
Priced FOB No Trade!

SPERRY NEW HOLLAND

KERMIT K. KISTLER, INC.
Rt. 143, Lynnport, PA 18066
PH. 215-298-2011

FARM EQUIPMENT FARM EQUIPMENT

GOOD USED EQUIPMENT

61 IH forage box
1 Farmall M
Farmall 706 diesel
Farmall 504 tricycle front end, gas engine, equipped w/loader
Used IH cub cadets
5 S #550 plow
3 F Oliver rollover plow

COMBINES
IH 1440 axial flow combine w/1150 hours, excellent condition. - RENTED
715 w/13' ISOED head.
Model 203 w/grain head and 2 row corn head

AVCO NEW IDEA

L.L. ECKROTH FARM EQUIPMENT, INC.
RD2, New Ringgold, PA
717-943-2367

FOR SALE

USED TRACTORS
AC 7000 w/cab 300 hours, (2) 200's w/cabs, 190XT Series III, 185 w/cab, 185 Diesel, 175 diesel, 170 gas, D17 Series IV gas & Diesel 3 pt., D17's, D15
FORD 3000 w/loader, 850, 641, 8N
CASE 430, 200
MF 30 diesel, 135 gas & diesel, 35
JD 4020 diesel, 3020's diesel, 1 w/cab, 2640 w/loader, 40 High Clearance w/cultivator, 60
IHC 656, 100 Hydro w/cab, 826 diesel, 464 diesel, 364 diesel, Super M, M, H, Super C, 230 Super A, 140 w/equipment, Cub (late model), Cub low boy w/rotary mower.
Large Selectin Mowers, 3 pt. Fast Hitch, semi-mount, mounted for many tractors. Call for your needs

MOWER CONDITIONERS
NH 477, 479, 489
Hesston PT 7, 10
New Idea 270, 272 7' & 9' Cutditioners

SIDE RAKES
NH 256, 56, 55, New Idea Used Bale Elevators & Mow Conveyors

USED BALERS
Round Hesston 5400 & 5800, NH 850
Square w/throwers
NH 315, 276, 275, 273
JD 336
Hesston 4500

GRINDER MIXERS
Gehl 95, 100, NH 353, IHC 1150

SHORT HOPPER BLOWERS
AC, Kools, JD, NH

FORK LIFTS
AC D15, 160 - 21' litt

TEDDERS
Grimm PTO, New Grimm & Fahr in stock
2 used Grimm tedders, 1 ground drive 1 PTO

USED GRAIN DRILLS
IHC 510 like new, Ontario, JD, Used 8' Brillion cultipacker seeder

USED CULTIVATORS
1, 2, 4 & 6 row 3 pt., New AC 4 & 6 row rolling cultivators at old cost price

NEW & USED BALE RACKS
New McConnell side dump forage box at 1981 cost

USED INDUSTRIAL
AC 715 Tractor Loader Backhoe
AC 655 Crawler Loader
AC H3 crawler Loader
AC 653, 652, H3 dozer angle blade
IHC 500 C Crawler loader 4 & 1 bucket $4500.00
IHC 500 dozer 6 way blade Mechanic's Special $2995.00
MF 30D Tractor loader 3 pt. & PTO
JD 2010 crawler loader, 4 in. 1 bucket.

USED CORN PICKERS
(5) NI 323 1R pickers
NI 2 row pickers
Wide & narrow row w/husking bed & shelley
3R NI w/husking bed
IHC 1 pr

USED CHOPPERS
NH 770, 717 super, 707-3 pt,
Hesston 7020, 2000-150
Large selection Asst. heads for many choppers.

Call For Our Deal Before You Buy & Be Pleased

MARSHALL MACHINERY, INC.
RD #4
Honesdale, Pa. 18431
5 miles east of Honesdale on Rt. 652
Ph: 717-729-7117
Open 6 Days A Week 8-5
Sales & Service AC, NI, Hesston, Kubota

Case 330T Baler w/thrower..... $650
Ford 250 Baler..... $475
NH 269 Baler w/thrower..... $1650
NH 269 Baler..... $1150
NH 273 Baler..... $1600
MF NI 9' Mower-Conditioner..... $1085
NH 479 Haybine..... $2475
AC Hopper Blower
IHC 550 FG. Harvester w/pickup & 2R Adj. Heads..... $895
NH 717 Forage Harvester
NH 880 N3, R2 Cornheads
Starline 810 Flail Spreader..... $775
(2) NH 518 Spreader w/hyd. endgate..... $1600 to $1750
JD 44 Spreader..... $450
Call for prices on other equipment

SPECIAL PRICES ON NEW
NH 3R Head, Auger & Pickup
NH L35, L325 Skid Loaders
NH 310 Baler w/engine or PTO
NH Mowers, & Rakes
NH 489 Haybine
NH 230, 234 Wagons
NH 513, 518, 800 Flat Bed Spreaders
3200 gal. Spreader with injector, Rental
Skid Loader Rentals
Zimmerman Elevators

Terms: Free finance on new and used NH Hay and Forage Equipment til June 1, 1983.

AUTHORIZED
SPERRY NEW HOLLAND
PARTS and SERVICE
STARLINE VANDALE
ROYAL BRUBAKER
SALES ★ SERVICE
Phone: 717-626-7766 or 626-1859
700 Woodcrest Avenue, RD3, Lititz, PA

FARM EQUIPMENT FARM EQUIPMENT

MF Massey Ferguson

NEW EQUIPMENT
MF 245 diesel, 8 speed
MF 255 diesel, multipower
MF 265 diesel, multipower
MF 4880 diesel tractor
MF 540 diesel combine
MF 860 diesel combine
MF 1143, 1144, 1163 corn heads
MF 13' and 15' tables and UII reels.
MF 124 baler w/throwers

USED EQUIPMENT
JD 4020 tractor $7950
Case 470 diesel tractor w/loader
MF 760 combine 16' head
2 MF 510 diesel combine
MF T030 tractor
MF 92 combine
Case 1160 combine, w/13' reel
MF 24, 33, 43, 44 corn heads
Bobcat Melrose 700 skid steer loader

71 Chevy C60 16' dump truck, 30,000 gross weight, 15 ton Midwest hoist

Renting skid steer loaders.

Radio Dispatched Service On All Makes Of Equipment
Large Inventory of New & Used Equipment

ABRACZINSKAS Farm Equipment, Inc.
RD 1, Catawissa, PA.
717-356-2323
(south on Rt. 42)

M & R EQUIPMENT, INC.
NEW PARK, PA
Ph: 717-993-2511 - 717-246-1972
(After 6 P.M. Call: 301-452-8693) Residence
United Parcel Servic
PAGE

SPERRY NEW HOLLAND

INTERNATIONAL HARVESTER
12.9% FINANCING ON ALL NEW TRACTORS, COMBINES AND TILLAGE! OR CASH REBATES
WAIVER OF FINANCE ALSO AVAILABLE ON ALL IH EQUIPMENT!

NEW HOLLAND
FREE FINANCE ON HAY AND FORAGE UNTIL 1-1-83! OR 5% CASH BACK!
FREE FINANCE ON ALL SKID LOADERS, MILLS, AND SPREADERS until 9-1-82

NEW EQUIPMENT IN STOCK

IH
3688 tractor
2 - IH #15 throwers
475 wing disc, 18'7"
1420 combine
1440 combine
5088 tractor
800 planters
435 baler
550 spreader
800 planters, air
IH 730 plow vary width 4 btm.
5100 drill 16x7 plain, 21x7, w/depth press wheels
2250 loaders
810 header
820 header
944 corn head
13' 5500 chisels
183 4-R cultivator
720 plow 5x20" - auto reset

NEW HOLLAND
311 baler
315 baler
#70 & 75 throwers
489 haybines
851 round balers
425 skid loader
L-35 skid loader
718 chopper
782 chopper
892 chopper
#8 crop carrier
OD 100 offset disc-12'
451 mower
513 spreader
363 spreader
474 haybine

WE RENT SKID LOADERS

NEW HOLLAND SPECIAL
#30 BLOWER
$2250 A Real Deal!

JUST TRADED!
GOOD USED COMBINE -
IH 303, Nice
JD 55 w/Cab
IH 990 HAYBINE Good Condition
ALSO NH #36 CHOPPER, Nice

SPECIAL
Used JD 2040 Diesel Tractor
1600 hrs. partial overhaul w/hyd. loader
Call For Price

SPECIAL
NH Skid Loaders L35, rental unit, low hrs., like new, $9900.
Free Finance until Jan. 1, 1983

"THINKING COMBINE?? REMEMBER - IH AXIAL FLOW HAS WON MORE ENGINEERING AWARDS THAN ANY OTHER COMBINE. AXIAL - FLOW CAN PAY IT'S WAY WITH LESS FIELD LOSS, MORE GRAIN IN THE BIN PLUS THE GREATEST HEADERS IN THE INDUSTRY! WE HAVE A 1420 AND 1440 IN STOCK"

USED EQUIPMENT

IH 3388 2+2 low hrs
John Blue - truck mtd dry fertilizer spreader Excellent Cond 8 ton
IH 303 Combine, both heads, cab, very good shape
JD 55 combine, cab, available both heads - $6500 Waiver Available
IH 2400 Ind tractor diesel, 6-way hyd blade
Farmall Super C
JD 2510 gas tractor overhauled
NH 10 ft trailing fert spreader, very good cond
NI 224 Manure Spreader, hyd endgate w/cyl
NH #36 Flail Chopper, very good
IH 990 Mower Conditioner 9' good
IH 1150 grinder mixer
IH 440 baler w/thrower, nice, hyd. bale tension
IH 449 4R planter - nice
MF 4R planter - 50 acres $1500
JD FBB grain drill - 13x7 - nice
IH 550 plow 5x16
IH 51 forage box w/roof; heavy gear
IH #70 pull type plow 3x16", nice
1250 hydrostatic Cub Cadet
JD 2040D tractor
NH 1002 bale wagon

FARM EQUIPMENT | FARM EQUIPMENT | FARM EQUIPMENT | FARM EQUIPMENT | FARM EQUIPMENT | FARM EQUIPMENT | FARM EQUIPMENT

USED EQUIPMENT

1 622 Ford combine w/111 grain head & 3 row wide corn head
1968 5000 Ford 10 speed

NEW EQUIPMENT

21' chisel plow complete. Special price of $6500
6600 Ford tractor fully equipped. Special $17,000

Plott's Ford Tractor
RD 3 Muncy, PA 17756
717-649-5141

NEW LEADER Lime & Fertilizer Spreaders
HI-WAY Cinder Spreaders - All Types
FRINK & VALK Snow Plows

ANNVILLE BODY CO.
P.O. Box 217, R.D. #3
Annville, Pa. 17003
Phone 717-867-4631

VERMEER

TRIPLE H EQUIPMENT

Peach Bottom, Pa.
717-548-2640 or 717-548-2094

Vicon

NEW VERMEER SUPER SERIES BALERS
Call For Spring Terms
1-504F Baler
2-F100 bale feeders, $2495
1-504G baler
2-SR 1200 Irrigation Travelers $19,000 ea.

NEW HAYBUSTER EQUIP.
1-Bale Buster for mulching lg. round bales
1-1068 Drill

MISC. NEW EQUIP.
2-Kelly log splitters engine drive

NEW VICON EQUIPMENT
Spreaders from 400 to 2400 lbs. in stock
Cash Discount on '81 Prices
2-PTO tedder - rake
1-5 wheel 3 pt. hitch rake
2-8 wheel -V-rakes
1-6 Wheel Rake
1-8' 3 pt. hitch disc mower (Demo)
1-RP 1200 Round Baler (Demo)
1-8' Mower Conditioner (Demo)

LAHMAN SKID STEER LOADERS
1-23 hp, 2 buckets, $6200

USED & DEMO EQUIP.
1-Vicon 15' power harrow, demo - $6000
1-Vicon 8' mower conditioner, used - $7200
1-Oliver 7B Plow - $800
1-NI 5 Wheel Rake

The Vicon KM-240 cuts and conditions the tallest, tangled, wettest, heaviest, hay. This new mower-conditioner eliminates a pick-up reel, so you can put up more hay - FASTER. With a working width of 7'10", it can mow twice as much area in a day as most competitive models. Most competitors use a pick-up reel, which limits ground speed, adds maintenance problems and allows leaf loss.

The Vicon six-disc cutter bar feeds your crop directly, stem first, into rubber rollers that condition green hay or wet grass. It dries faster and bales easier, saving time and labor.

The KM-240 has no chains, no belts, no sickle bar. If you need only a mower, look at the Vicon CM-165 (4 discs-5½' working width) or the CM-240 6 discs-7'10" working width). Both make clean cuts in heavy grass or tangled crops.

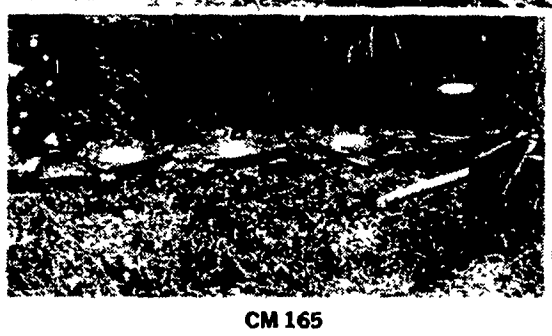
See at TRIPLE H EQUIPMENT or RED WING FARMS or Ask For a Free Demonstration
New Special Cash Discounts on all Vicon Equipment
Mowers — Rakes — Power Harrows — Seeders — Round Balers

Triple H Equipment
RD1, Peach Bottom, PA
717-548-2094/548-3775/548-2640

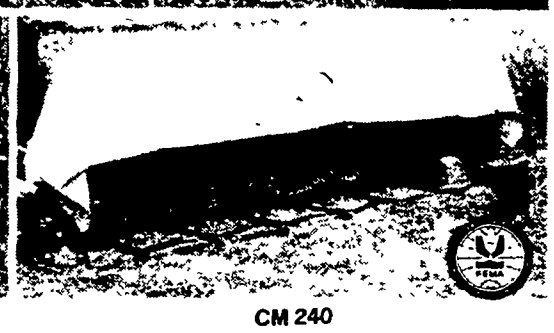
Vicon

Red Wing Farms
RD 1378, Fleetwood, PA
215-944-0791

TURN A VICON LOOSE IN YOUR HAYFIELD



CM 165



CM 240

Year-End Clearance Sale!

Prices Shown CASH ONLY... Call For Details

New AC 6080 Tractor	$17,900
NEW 1038 NH Bale Wagon	Call for Price!

New AC 6080 Tractor $17,900

USED EQUIPMENT

AC 185 Diesel Tractor $9,000	AC 7000 with Cab & Air $15,900
AC 5050 w/220 Hours $8,900	AC D-15 $2,400
AC KKS Gleaner 10' Header & 2 Row CH $19,900	AC FKS-2 Gleaner Hyd. Drive, 13' Header $29,900
AC C Gleaner w/440 Cornhead $5,900	IH 315 Combine 13' Header & 2 Row CH $4,900
NI 702 w/717 Combine & 723 Grainhead $15,900	NI 702 w/723 CH &727 Husking Bed $6,900
NI 702 D Tractor with weights $7,500	NI 710 Combine w/711 Grainhead $3,900

NEW EQUIPMENT SPECIALS
N-5 Rotary Combine with 15' Floating Header and N630 Cornhead
AC 2000 5-16 Moldboard Plow with Concave Coulters
AC A430 Cornhead, FE Combine

USED COMBINES & CORNHEADS
MH 82 SP Combine 13 Header
(2) MF QT24 2 Row Header

USED TRACTORS
AC 7020 PS Tractor, Cab & Air
AC 185 Tractor, Diesel

USED MISC. EQUIPMENT
PT10 Hesston Haybine
NI 279 Cut/ditioner
NH 268 Baler w/Thrower
NH 469 Haybine
JD 10' KBA Disc Harrow
Ford 10' Disc Harrow
IH Mounted Field Cultivator
IH 710 5-Bot. 18" Auto Reset Plow
JD 38 Forage Harvester w/Pickup & 2-Row Head
NH Super 717 w/2 Row Head
JD FB77 Grain Drill
NI 324 & 327 (2 Row Pull Picker)
7 Tooth Soil Saver w/Coil Tines
Vicon Wheel Rake (5 wheels)
14' Brillion Transport Harrow
(2) Int. 990 Haybines, 9 ft. cut.
JD 1209 9 ft. Haybine
NH #56 Hay Rake
New Idea Wheel Rake

ITCO
Dealer for ITCO Corp
• Over 9,000 items At Discount Prices

ALLIS CHALMERS
AVCO NEW IDEA
SPERRY NEW HOLLAND

SHARTLESVILLE FARM SERVICE

RD 1, Hamburg, PA
215-488-1025
H. Daniel Wenger, Prop.

TRACTOR & COMBINE PARTS

We Ship Anywhere

Cross Tractor Salvage
Rt. 3
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toll free
1-800-641-4734 or
417-398-2219

TRACTORS
- Case VAC
- Case 930 Tractor 'CK'
- Case 430
- David Brown 990 w Loader
- David Brown 1410
- Oliver 500
- Oliver 880
- Oliver 1750
- White 2-105 Tractor
- Int 656 Tractor

LOADERS
- Case 1537 Skid Loader
- Case 450 Crawler Loader
- Case 450 Crawler Dozer
- Dunham Lehr Loader
- IH 4130 Skid Loader

TILLAGE
- Case 6 Bot Plow, 20'
- Case Disc Harrow, 10
- MF 12 Ft Spring Tooth Harrow
- Oliver 2 Bot Trailer Plows
- Oliver 4 Bot Mtd. Plow
- Used Cultipacker

HARVESTING EQUIPMENT
- Case 600 Combine w/3-Row Head
- NI Unisystem 702 Tractor, 710 Combine & 760 Harvester
- NI 727 Husking Bed
- NI 323 1-Row Corn picker
- NI 2-Row Cornpicker
- Int Mtd. Picker, 2 Row
- IH 550 Harvester w/Pickup
- JD No 25 Harvester
- Case 300 Harvester
- JD Chopper
- NH 717 Harvester
- Kools Forage Blower
- Gehl 1200 Harvester w/pickup and 2-row cornhead

HAY EQUIPMENT
- NH 469 Windrower
- Hesston PT 10
- Hesston 1090 Win drower
- Dump Rake
- 3 pt Hookup Mower
- Bale Thrower Wagon
- Case Hay Rake
- JD Hay Rake
- NI Hay Rake
- NI 456 Round Baler
- JD 14T Baler w/thrower

MISCELLANEOUS
- Ford 4 Row Corn Planter
- JD 2 Row Planter Pull Type
- IH 400 Corn Planter 8 Row
- 10 Used Spreaders
- NI 224 10 ton Spreader
- Potato Grader

AVCO NEW IDEA

SPECIAL
• 8 USED WINDROWERS!
• NI 456 Round Baler
$8,500

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USED EQUIPMENT
Hesston PT10 Haybine
Loader for AC 160
(2) NH #56 Rake
NH 352 Grinder Mixer, Like New
Bearcat Grinder-Mixer
NH SP 818 Fg. Harvester
AC Model 90 Pull Type Combine
MH 72 Combine
(2) IH 234 Mtd. Corn Pickers to fit 656, 706, 806
Used Century sprayers
NH 275 Baler w/thrower

USED TRACTORS
AC XT190
AC 190 Gas
AC D17 Diesel
AC WD
Ford 9N
MF 1085
Used Lawn & Garden Tractors w/mowers

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NEW EQUIPMENT AT USED PRICES
Many Models
New Holland Spreaders

NEW EQUIPMENT
Amco Disc
Bale King Hay Wagons
NH Skid Loaders
Hub Tool Elevators formerly N.H.
Gleaner Combines

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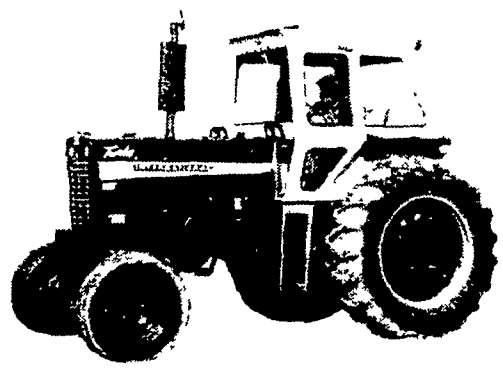

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JD 4430, factory cab & air, quad range, good tractor
JD 730 D, elec start. SOLD od tires, needs work $1800
JD 2840 D fully equipped, very sharp
IH 986, Cab & air, diff lock, 1200 hrs, fully equipped
IH 1256 fully equipped w/cab, real nice
JD 4320 w/factory cab, 38" rubber fully equipped
IH 966 fully equipped w/year round cab
IH 856D w/cab 18 4x38 wedge lock wheels, fully equipped
IH 303 Combine later model w/3R narrow corn head & 13' grain head w/p u reel, clean.
MF 300 quick tach 13 grain head, 2 row wide corn head
IH 403 combine w/cab, 3R wide 13 grain head. $3750
NI Uni-System 705 Diesel power unit w/cab
NI 737 husking bed (2)
744 Uni quick tach, 4RN corn head
IH 574D, 75 model row crop, 1800 hrs
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Farmall Super MTA
Late Model 856 WF, 3 pt hitch 38 rubber
AC XT 190 Series 3 w/cab, real sharp
JD 4620 p shift, fully equipped sharp
IH 806 D dual hyd & pto, WF
JD 4020 Diesel, power shift, 38 rubber, cab, clean
Farmall M with wide front
Farmall M, PS
IH 37 10' disc
IH 56 blower $850
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AC 2313 Disk Harrow	$3,590	IH 574 Tractor
NI 621 Silo Blower	$1,620	AC D19 Tractor
NI Manure Spreaders	$SAVE$	AC D14 Tractor
NI 323 1 Row Picker	$5,900	AC WD Tractor
NI 324 12 Roll Husker	$9,500	Gehl 360 Skid Loader
NI 325 12 Roll Husker	$11,800	NI 319 Picker Sheller
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NI 279 Cut/ditioner	$4,900	

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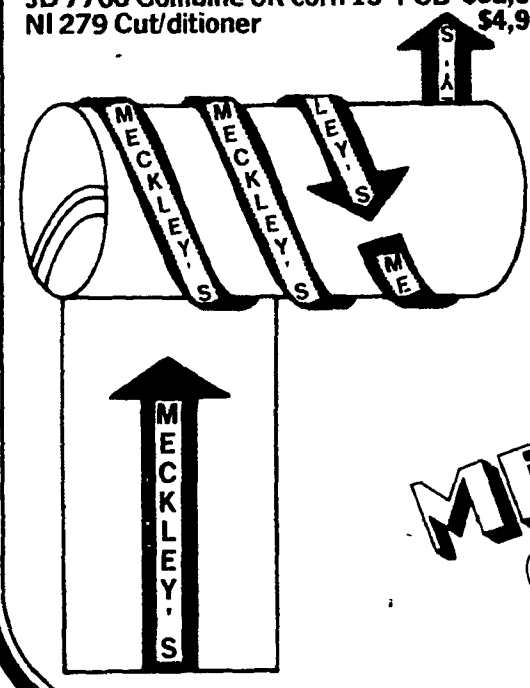

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JD 3020 G
(2) JD 60
Farmall 656 D
Farmall 560 D
Farmall 400
Farmall 460 D
Farmall H
White 2-50 D
Oliver 550
Oliver 55 D
Ford 800
Ford 8N
MF 1100 D
MF 180 D w/loader
MF 180 D
MF 50
Case 630 w/loader
Case 300
AC 7050 w/cab
AC 7040 PS, w/cab
AC 7020 PS, w/cab
AC 190XT D w/cab
AC 180 D
AC 5040 D
AC D19
AC WD45
AC WD

COMBINES

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Gleaner MKS w/13' grain & 630 corn heads.
Gleaner F2 w/13' grain & 438 corn heads
Gleaner FKS w/grain & corn heads
Gleaner CII w/13' grain & 438 corn heads
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(2) Gleaner E w/cab & both heads
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JD 45 w/both heads
JD 45 w/grain head
MF 300 w/11' grain & 238 corn heads
MF 82 w/grain & corn heads
NH 975 w/11' grain & 238 corn heads
IH 203 w/grain & corn heads
NI Uni-System 714 w/717 combine, 4-row corn head

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JD 346 Baler w/Thrower
IH 440 Baler w/Thrower
IH 46 Baler
NH 68 Baler
AC 303 Baler
NH 1469 Haybine w/cab
NH 1469 Haybine
Hesston 110 Mower Conditioner
Hesston 1010 Mower Conditioner
AC 904 Mower Conditioner
AC 390 Mower Conditioner
NI 279 Cut/ditioner
MC 9' Scythe
NH 479 Haybine
JD 640 Rake

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AC 720 2-row & pick up
NH 880 2-row & pick up
NH 717 1-row & pick up
NH 717 2-row & pick up
IH 350 1-row & pick up
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NH 33 5' Flail

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Case 930

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Gehl 4400
Case 1737
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Hesston 2000
Fox 546
Gehl CT300

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(2) Case 555's
PT10
Owatonna 275 SP Windrower, 12' Head

USED OWATONNA STACKER

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MESSICK FARM EQUIPMENT

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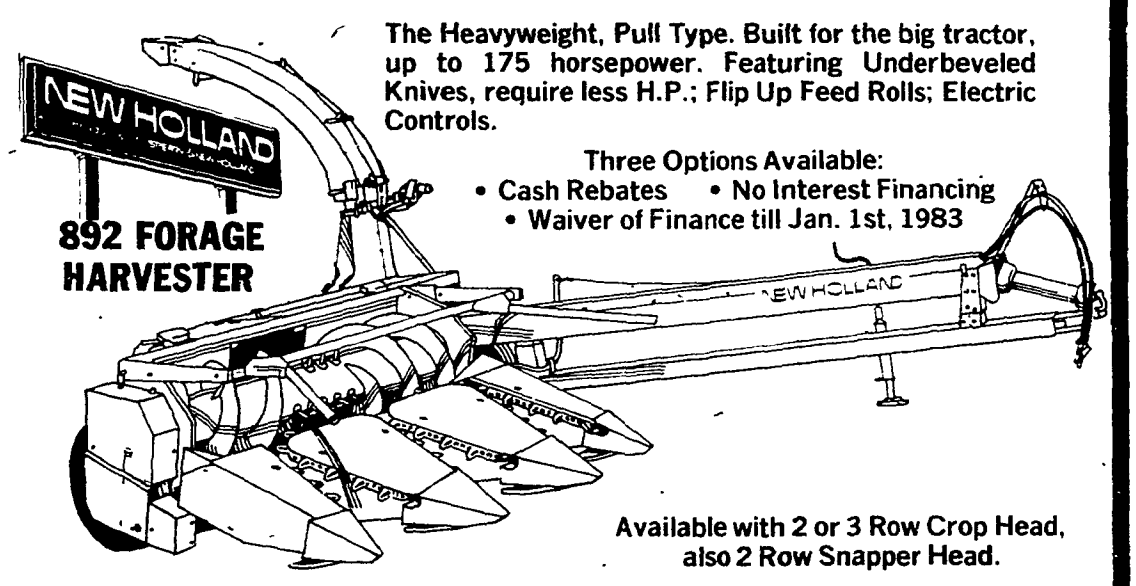

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INTERNATIONAL THE NEW NO. 1

LET US GIVE YOU A DEMO

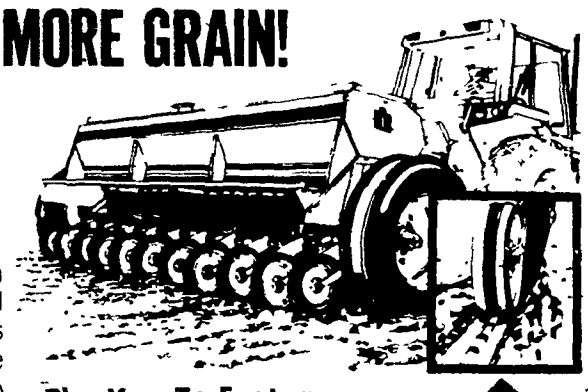
5288
160 PTO hp*

5088
135 PTO hp*

* Manufacturers Estimate

GET UP TO 25% MORE GRAIN!

Drill With The International "5100 Special"



Outstanding accuracy begins with IH feed cups that deliver seed uniformly Dual rib press wheels then compact the soil around the seed and gently "pat" the top to prevent air holes Result uniform germination and emergence a start toward higher yields

The Key To Faster Emergence Is This IH Dual Rib Press Wheel

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Oliver 1855 Diesel, 3 pt., Wide Front, Ex Cond
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Ford 3000D
Int'l 686D w/cab, excellent condition
IH Model 484 D
IH 856D Tractor

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NI Mower Conditioner
IH 430 Baler & Thrower
N I Mower Conditioner, Like New
(2) J.D. Hay Tedders
NH 68 Baler

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Several Used Cub Cadets
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NH L425 Skid Loader, Excellent Cond
SAVE $$$

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13½' wide, w/coulters & press wheels. Ready to go! Planted only 150 acres.
$9,700

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NH 676 Spreader w/Fine Pan, New Chain Web

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Brillion 10 Ft. Packer
Brillion 16 Ft Transport Harrow
Brillion 12 Ft Cultimulcher
Brillion 10 Ft Transport Harrow
IH Little Genius 2 Bottom Plow
IH 10 Ft 9A Disc Harrow
3 Pt Disc Harrow

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IH Model 234 Mtd. Corn Picker
NH 770 R2 Corn Head
NH Self Propelled 818 Diesel Harvester
1880 N3 Corn Head
Brady 4 Row Stalk Shredder
IH 16 Forage Harvester, 1 Row, Real Clean
IH 15 Hay Rake
Ford 7 Ft 3 Pt. Sickle Bar Mower
Ford 5 Ft. Rotary Cutter
Bush Hog 5 ft. Rotary Cutter
NH 890 2 Row Snapper Head

PLANTERS
JD 494A 4 Row Planter
JD Grain Drill
IH 400 Planter 4 Row

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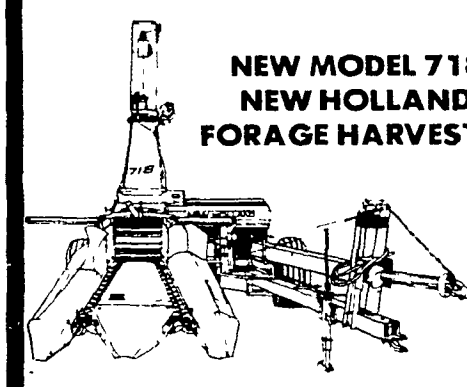

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WE WILL BUY OR TRADE YOUR USED EQUIPMENT IN ANY CONDITION.

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JD 494A Planter
JD 694A Planter
JD 4400 Combine
JD 105 Combine
JD 727 rotary mower
JD 244 Cornhead
JD 7000, 8 row, 30" corn planter w/Liquid Fertilizers and Monitor
JD 1250 corn planter
JD 485 mower conditioner
JD FB Drill
JD 3800 Chopper
JD 2450-6 Btm. on Land Hitch Plow
Oliver 5x16 Plow

NEW EQUIPMENT
JD 7100 8-row 20" bean planter
JD 215 Disk
JD 2450-7B-16" On Land Hitch Plow

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NH 315 Baler w/ejector
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Superior-Scranton Livestock Equipment, (Hay Feeders, Corrals, Gates)
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IH 706D, Wide Front
IH 560 Gas, 400 Gas
IH 350 High Utility
IH 350 Farmall, PS
IH 460D, Utility
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(2) Farmall M
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MF TO-20 w/Turf Tires
MF 235 Gas w/Turf Tires
Leyland 154 Gas w/Turf Tires
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IH 531 3 pt. 3 Bot. Plow
IH 540 4-Bot. 14" Semi Mtd. Plow
IH 550 5-Bot. 16" Semi Mtd. Plow
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AC 3 pt. 2-Bot. Plow
Dunham 8 Shank 3 pt. Chisel

PLANTERS:
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4 & 6 Row Cyclos, Field Ready!
JD FBB 17x7 Comb. Single Disc, Good Shape!
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JD FBB 17x7 DD
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Oliver 13x7 Comb. Drill
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IH 503 Gas w/13' Head
IH 403 w. 4-Row Wide Head & 12 ft. Grain Platform
IH 315, 2-Row Wide Head
IH 205 w/227 Head
IH 203 w/2 Row Head
IH 227 Cornhead, fits 315, 205 or 203
MF 510 Diesel w/13' Head
Straw Chopper for Gleaner M

HAY & FORAGE EQUIPMENT:
(2) IH 110 Forage Wagons
IH 110 w/Roof, Like New!
#5 Flail Chopper, Real Nice!
#8 Flail Chopper, Like New
33 NH Flail Chopper
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420T Hesston S.P.
NH 479 Haybine
NH 268 Baler with Thrower - $1800
NH 276 Baler with Thrower, Real Nice!
NH 280 Baler with Thrower - Like New!
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157 Hawk Bilt Spreader - $995
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Case 450 Crawler/loader
Ford 4500 w/Loader

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NH 315 w/58 thrower
NH 278 w/58 thrower
(2) NH 268
SOLD 1320 w/thrower

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NH L-445 Gas
(2) NH L-775 Gas
NH L-778 Dsl.

WAGONS
Hesston 30 Stackhand
NH #8
NH 1000 Bale
NH 1010 Bale

SPREADERS
NI 224
NI 213
NH 365 Tank

COMBINES
JD 105 w/444 C.H. and G.H.
AC M2 w/4R Hd. and 15' G.H.
NH TR70 w/15' G.H. and 4R C.H.
AC CII w/14' Flex Hd.
AC E w/10' G.H.
MF 510 Dsl. 6RN

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(3) NH 479
NH 495
NH 469
(1) NI 279
NH 1495D Hydro 12' SP
NH 1469 w/Ford Eng. 9' SP
Hesston 620 windrower

FORAGE HARVESTERS
NH 880 w/2RW and WPU
NH 1880 SP Cat Dsl. w/new style hds., 3RN and WPU
JD 3960 w/2 Row hd. & WPU

RAKES
Brillion Stone
(2) NH 260
(2) NH 258
NH 256
(1) NI Bar
NI Wheel
V tandem Hitch

CORN PLANTERS
AC 4R no-til w/liq. fert.
AC 6R no-til air w/gran. fert.
AC 4R no-til w/gran. fert.
IH 8R Cyclo
IH 4R Cyclo
JD 1440 no-til
White 4R no-til, air
International 6R no-til

MISCELLANEOUS
JD 11' Disc
Bush Hog 12' Disc
AC 2300 Disc
AC 60" Mower
JD 25A Flail Mower
Woods M5 Mower
JD 5' Mower
NH 442 Disc Mower
JD 237 Mtd. C. Picker
NI 2R #324 C. Picker
JD Stack Shredder w/Stack Mover
Speed King 41' Elevator
Ontario Drill
JD Grain Drill

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NH #230 Wagon, 6 rims, standard tongue, 1 only	$620
NH #303 Liquid Tank Spreader (Demo)	$7660
NH #791 Spreader	$7130
NH #310 Engine Baler, Steel Wheels	$6990
NH #495 Haybine	$9940
Pittsburgh 3B 18" Auto Reset Plow	$3150
Pittsburgh 4B 18" Semi Mtd. Auto Reset Plow	$5275
Pittsburgh 12' Field Cultivator, 1 only	$1295
Oswalt Ensilmixer, 1830 trailer w/Ditigal scales	$9500
Oswalt Ensilmixer, 1830 Stationary w/scales	$9390
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Dunham 7' Chisel Plow	$1175
Dunham #22 Loader, fork and 64" pan	$1995
Hub Tool Elevator 36 ft.	$1995
Walsh 300 Gal. Sprayer 34', Cyn Pump	$1925

NH 1895 Self-Propelled HARVESTER, 4 Wheel Drive, Cab, Air, Heater, 3R Head & Pickup Head, 250 H.P. Cat Engine & Meter Detector
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PLUS FREE FINANCE TILL JAN. 1, 1983
OR $2800 REBATE

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JAMESWAY OSWALT ENSILMIXER DUNHAM
Leasing Available

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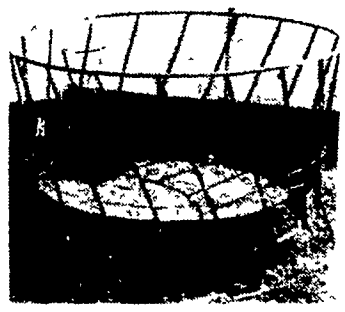
(2) NH 512 Spreaders
NH 518 Spreader, top beater
NH 707 Harvester w/1R Corn Head
NH 770 Harvester
Bush Hog 12' Offset Disc, 26" blades, excellent condition
7' 3 pt. hitch York Scraper Blade w/100 h.p. rating
NH 325 Loader 54" bucket, like new
Dunham 10' Cultipacker
NH 479 Haybine
NH 469 Haybine
NH 354 Grinder Mixer
NH 717 Pick-up Head
NH 770 R2 Head
NH 770 N2 Head
NH 273 Baler w/Engine
NH 451 Mower

DEPENDABLE IS MORE THAN OUR NAME

Free delivery to 20 miles



Round Steel Hay Rack with bottom for 18 head for hay, grain, silage, round or square bales. $220 and on stock.
Bottom ring can be removed for shipping purposes & replacements

Hay Rack and Feed Bunk Combination. Built on skids for easy towing. 8', 12', & 16' on stock. Also available trailer type.

BELL ROAD WAGON SHOP

Dealers Welcome

RD 1 Box 280, Bell Rd.
Christiana, PA 17509
Dealers Welcome
For delivery service call
717-529-2717
or Strasburg area -
Lancaster 717-687-8217
Directions - 1 miles south of Nine Points off 896 on Bell Rd. 8 mi. N. of Oxford

LANDIS BROS., INC

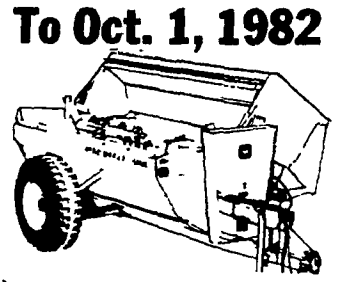
1305 Manheim Pike, Lancaster, PA 17601
Phone - 717-291-1046

JOHN DEERE DESIGN, DEPENDABILITY AND DEALERS MAKE THE DIFFERENCE

CHECK THESE SPECIALS

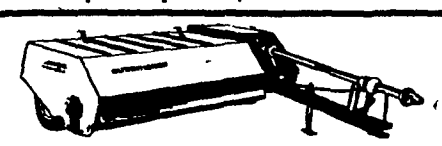
Call Right After 7 A.M.
For Information & Prices

NOW: Special Finance Waiver — NEW John Deere and Used Spreaders Finance Charges Waived To Oct. 1, 1982



New Spreader in Stock

Special prices, 465 Tank



NEW IDEA 272 CUT/DITIONER
Special $3990

Used Disk Harrows

JD 210 12'10" 36 BL
JD AW 15'2" 44 BL
JD F930 15'30" 3 Pt. Roller Harrow
JD 310 - 12'10"
JD 111 - 10' 28BL
JD 110 - 11'4"

Used Grain Drills

JD FB17 B Single Disk
Ontario 16 Disk w/GSA

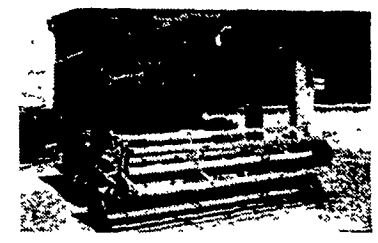
Used Mower Conditioners

JD 1209 - 9 ft.
Massey Ferg. - 9 ft. conditioner
Hesston PT10 ft. conditioner

Save Now On The Used Combine Of Your Choice

MASSEY HARRIS #82
Self-Propelled Combine
12 Ft. Platform
$1,950

NEW IDEA UNI 702 DSL.
Power Unit
w/710 Combine & 13' Platform
$11,500



JD 1972 7700 DIESEL COMBINE
w/rebuilt engine and 14 ft. platform
$23,750

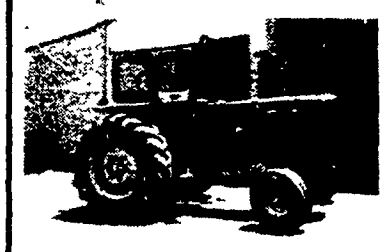
GET THE HARVESTING EQUIPMENT YOU NEED NOW WITH NO FINANCE CHARGES UNTIL JANUARY 1, 1983

NEW JOHN DEERE
750 Grinder Mixer
SPECIAL $7990

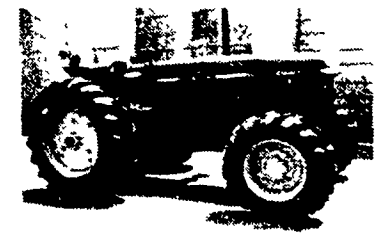
IHC 185 CUB LO BOY
w/Mower
$2695

SAVE NOW ON THE USED TRACTOR OF YOUR CHOICE WITH NO FINANCE CHARGES UNTIL JANUARY 1, 1983

JD 1972 4230 DIESEL
w/quad., sound guard body, radio, front weights
$16,900



JD 1972 4620 DIESEL
w/power shift, cab, heater, radio
$18,500



JD 1980 2940 DIESEL
w/MFWD 300 hrs.
$20,900

Used New Idea Uni-Equip.

702 dsl. power unit w/cab
705 dsl. power unit w/cab
767 super chopper
768 w/N3 row RC
769 flail mate
762 2R 30" RC
763 3R
725 3R Snapper
766 Hay Pick-up

Used Forage Harvesters

JD 3800 PT w/2R - 30" RC
Fox 2000 w/elect. Knife Sharpener
2R - 30" & Hay P.U. Attach

SPECIAL - USED TRACTORS - JDFP FINANCE WAIVER UNTIL JAN. 1, 1983

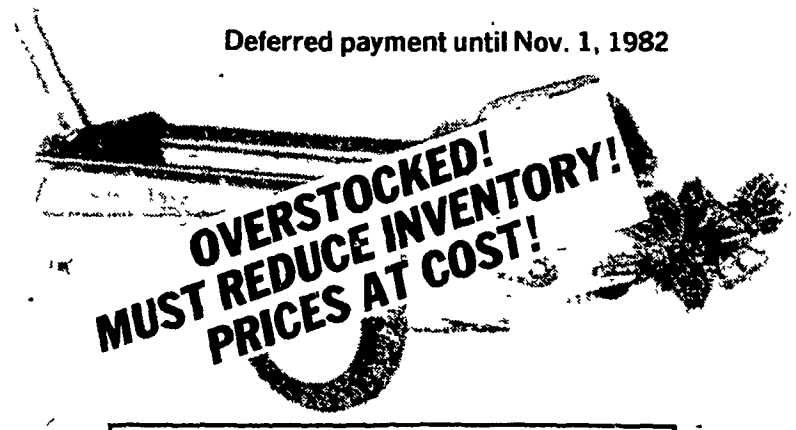
JD 2940 MF WD 300 hrs.
JD 2640 RU dsl. w/146 loader
JD 4230 quad. range SG
JD 2630 RU dsl.
JD 3020 dsl.
JD 3010 dsl. RC
MF 65 dsl.
IHC 606 dsl. w/TA
JD 4020 PS WFE
JD 2010 RC
AC 5050 Dsl. w/Loader

USED LAWN & GARDEN TRACTORS

JD 210-10 HP-46" mower
JD 112-10 HP-46" mower
JD 110-8 HP-38" mower
JD 100-8 HP-34" mower
JD 60-6 HP-34" mower
Ariens-S12-12 HP hydra.-48" mower
Gravely 430-12 HP hydra.-46" mower
A-C 312-12 HP hydra.-46" mower
A-C-8 HP, gear-36" mower
Wheel Horse 800-8 HP, gear-36" mower

NEW IDEA 95 BU. GROUND DRIVEN SPREADERS

Deferred payment until Nov. 1, 1982



206 New Idea Spreader Available
With or Without Steel Wheels
With or Without Endgate Att.
For Shipment NOW Order Yours Today.

LANDIS BROS., INC.

1305 Manheim Pike, Lancaster, PA 17601
Phone -717-291-1046

FARM EQUIPMENT FARM EQUIPMENT FARM EQUIPMENT FARM EQUIPMENT FARM EQUIPMENT FARM EQUIPMENT FARM EQUIPMENT

Ford Tractors Equipment
SPERRY NEW HOLLAND

TRACTORS
Ford 7600 w/1300 hrs.
Ford 7000
Ford 1100 repossessed 4WD w/loader
Ford 960 Tricycle
Ford 600
Ford 8N
IHC 656 gas, 2200 hrs.
IHC 504 Gas, Tricycle W4R Cult.
Case 680 C Tractor/Loader
Case 430 Tractor and Loader
Case 530 Tractor Loader, Backhoe
MF 203 Backhoe Loader
David Brown 990
Massey Harris 44

EQUIPMENT
NH 479 Haybine
NH 1495 SP Haybine
NH 469 Haybine
NH 56 Hay Rake
NH 78 Baler w/thrower
JD 14T Baler
JD 1209 Mower Cond.
NI Wheel Rake
Hesston #10 Stack Wagon w/Stack Mover
New Class Combine w/4 Row Corn Head & 15' grain head
MF 82 Combine w/13' grain head
JD 45 Combine w/12' head
NH 516 sgl. btr. spreader
JD spreader
14' Schwartz Roll Back Body w/winch
Lawn & Garden Tractors w/Mowers

CHARLES S. SNYDER INC.
RD3 Tamaqua, PA
18252
Phone: 717-386-5945

See Us About IH Purchasing Programs.

Call Us For A Round Baler Demonstration on Your Farm

USED EQUIPMENT:

1086 tractor w/cab & air, 1400 hrs.	$22,500
Farmall Cub w/cult. plow & blade, 1 pt. hitch, nice	$4175
IH 710 5x16 plow	$3850
JD 4x16 3 pt. mtd. plow	$625
JD 12' Mtd. Vibra Shank harrow	$1550
IH 45 vibra shank, 26½' hyd.	$3500
Miller disc, 10', as is w/new discs installed	$1995 $4250
IH 400 Cyclo 4 row planter	$3450
IH 400 Cyclo 4-row planter	$2975
IH 56 4 row planter	$1750
IH 455 4 row planter	$1450
Fox blower	$750
Pick up head for 720 harvester	$995
Gehl snapper head, used 100-150 acres	$4000
IH 430 baler w/thrower	$2950
MF #10 Baler w/thrower	coming in
NH 67 baler w/thrower with motor	$950
AC 303 baler w/thrower	$1295
IH 863 6x30 corn head	$7350
IH 205 Combine 10' platform & cab	$6000
IH 1190 mower cond., very good cond.	$4200
Hesston PT12 mower-cond.	$1200
#10 single disc drill	$2300
IH 1050 grinder-mixer	$1775
IH 350 12' disc	$1100
IH 1650 Cub cadet w/mower	$2695
IH 124 Cub cadet	$1395
IH 102 cadet	$995
JD 110 garden tractor	$1025
44C mower, like new	$355
50A mower, very good	$300

INCH EQUIPMENT CO.
Dalmatia 717-758-3021
717-758-6491
35 miles North of Harrisburg, PA on Rt. 147
INTERNATIONAL AGRICULTURAL EQUIPMENT
• U.P.S. Service Available

HARVEST SPECIALS

S.G. LEWIS AND SON, INC.

RD #2, Box 66, West Grove, Pa.
215-869-2214

All Hay and Forage Equipment are Free Finance until 1/1/83 or 5% Bonus for Cash Paid.

FORAGE

SNH #892 Forage Harvester w/#822 corn head and 880W windrow pickup	$11,200
SNH #25 Blower	$1,600
SNH #30 Blower	$2,800

HAY

SNH #462 Disc Mower	$3,500
SNH #451 Mower w/7' Cutter Bar	$1,760
SNH #472 Haybine	$5,875
MF #124 Baler	$5,000
SNH #258 Hydraulic Drive Rake	$2,500
SNH #80 Bale Handler	$375

SPREADERS

SNH 679 Spreader w/splash guard, fine manure pan and hyd. end gate	$4,700
SNH 791 Spreader w/splash guard, hyd. end gate and fine manure pan	$7,500

Don't be fooled by lower prices on "will-fit" parts. The management of other brand dealerships recognize the value put into genuine Sperry New Holland parts and service. This is what made Sperry New Holland the leader and No. 1 in hay and forage equipment. When a problem arises or you need parts or service, call your authorized Sperry New Holland dealer.

215-869-2214 or 215-869-9440

The New Mini-Mix

For complete mixing of silage, grain & concentrates

by STEINER

- Low Power Requirements
- Fast 1 minute mix time
- Rugged construction
- Few moving parts
- 180° Discharge
- Won t over mix
- Proven on the farm

Low HP and less wear are two direct results of the tumbling action of the feed instead of the high resistance of conventional auger mixing

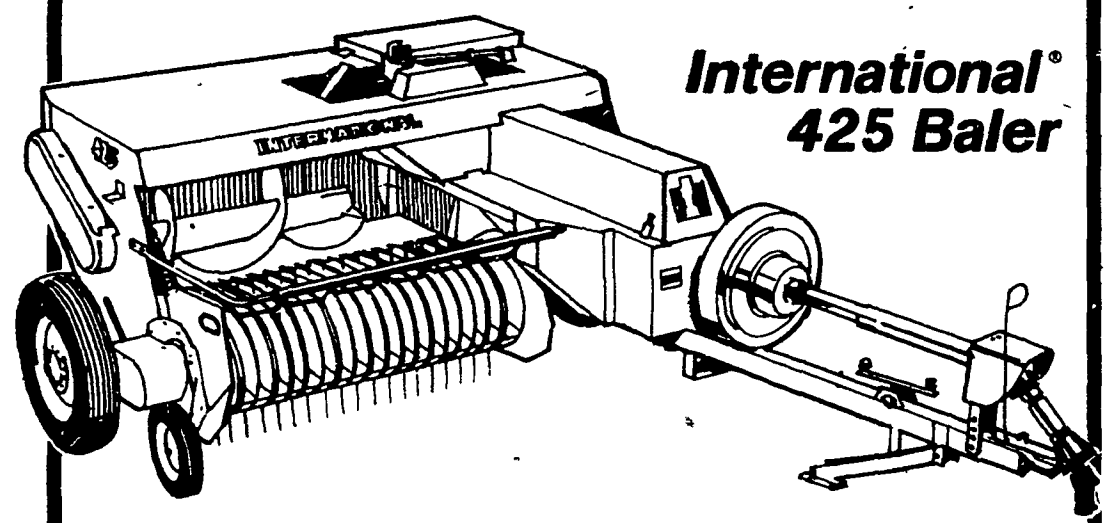
Mini Mix Available in 45 & 80 Cubic Feet
Roll A Mix Available in 133, 216, 270,324 Cubic Feet

Built for the Efficient

CHARVIN FARM (Elstonville)
Dervin Clair Hart Prop.
R.D.#4, Manheim, PA 17545
717-665-7471

Economy priced, up to 15 tons per hour capacity

International® 425 Baler



The new 425 is an economy baler with many of the same proven performance features found on other International 400 Series balers. It does an excellent job in most crops and conditions and is an ideal choice for farmers with average, moderate capacity baling requirements. Up to 15 tons per hour capacity.

- 61-in. 4-bar pickup with 76 teeth sweeps the windrow clean.
- 4,800 lbs. of force behind the plunger for uniform, tightly packed bales.
- Dependable Deering-type knotters tie strong secure knots.
- Heavy duty drive train and 2-knuckle PTO. 3-knuckle PTO optional.

AGRICULTURAL EQUIPMENT

Finance plans available.

THIS WEEK'S SPECIAL

List $6,315.00
NOW $4,545.00
One Only

GOOD USED FORAGE EQUIPMENT
• 650 Harvester Hay & Corn Head • 830 Harvester Hay & Corn Head
• 990 9 Ft. Mower Conditioner

R.S. HOLLINGER & SON, INC.

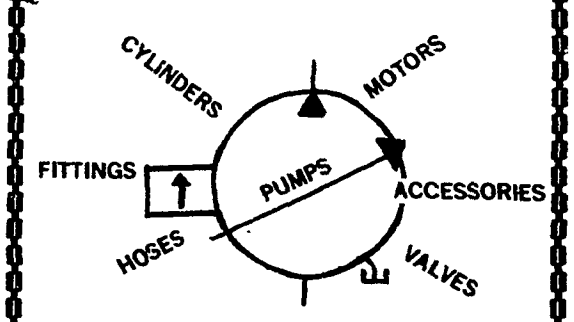
PARTS & SERVICE
113 W. Main St., Mountville, PA
Phone 717-285-4538 or 1-800-732-3525

CERTIFIED SERVICE
This dealership's service department has qualified as an IH certified service center International Harvester Company

HOURS: Mon.-Thurs. 7 AM to 8 PM; Fri. 7 AM to 5:30 PM; Sat. 7 AM to 3 PM

FARM EQUIPMENT | FARM EQUIPMENT | FARM EQUIPMENT | FARM EQUIPMENT | FARM EQUIPMENT | FARM EQUIPMENT | FARM EQUIPMENT

HYDRAULICS



Wholesale and Retail
SALES - SERVICE - INSTALLATIONS
(Hydrostatic Transmission Repairs)

Let us do your trouble shooting and system designing

WILL TRAVEL

Beiler Hydra-Matics
Hydraulic & Air Supplies
Box 587 RD #3 New Holland, Pa.
UPS Service (717-656-2846)

Badger | JOHN DEERE | HESSTON FARM EQUIPMENT

USED EQUIPMENT

TRACTORS	HAY EQUIPMENT
JD 2440 w/800 Hrs	JD 346 Baler w/Thrower
MF 65 Gas	JD 640 Rake
JD 1050 w/170 Hrs	JD 483 Mower Cond
JD 3020 D w/WF	NH 880 Harvester No Head
JD 1010 C w/Blade	Gehl Blower
IH 340 New Paint	NH 23 Blower
JD 70 Skid Loader	Badger Forage Wagon
AC B No Hydraulic	JD #50 Mower
David Brown 990	JD 737 Rotary
	Mott 72 Flail Mower

OTHER NEW SPECIALS

JD 125 Skid Loader	$12,500
JD 1710 11' Mulch Tiller	$5,500
JD 1010 15' Field Cultivator	$1,995
Landoll 7 Shank Soilmaster	$5,150
Little Giant 42' Elevator No Motor	$1,900
JD 465 Manure Spreader, Demo	$3,750
Taylor 7-Shank Chisel Plow	$1,500
Badger BN6190 Feed Mixer Wagon	$9,995

PIKEVILLE EQUIPMENT, INC.
R.D. 2, Oley, PA
Phone: 215-987-6277
Berks County's Full Line John Deere Dealer-
Serving the Oley Valley 46 years 1936-1982

Used Tractors:

John Deere 2630, 2020, 4520, 4430 w/cab, 4320, 4230, 4030, 4020, 2510, 3020
Allis Chalmers 210, 190XT, 185 like new
Farmall 1086 4 wh. drive, 1466, 806, 766, 656, 460, 450, M, H
Ford 7000, 3400 w/loader, 2000, 9N
MF 175 diesel

Used Combines:

JD 4400
MF 300 quick tach

Used Choppers:

JD 5200 self-propelled chopper
Fox 3000 w/3 row head

Used Trucks:

1974 Chevy w/new 16' grain body & hoist, 427 engine, 5 spd. trans., 2 spd. rear
IH 2010 tandem w/new grain body & hoist

Used Plows & Disks:

Used Keewanne 21' disk,
1450 John Deere 7 Bottom
New White 418 spring reset plow
Large selection of John Deere 5, 6, & 7 Bottom
Athens 21' Hyd. Fold disk
IH 470 18' Disk
New Gehl, Fox & Badger Equip.
Large selection of smaller John Deere disks
JD model 2500 6 btm. 18" auto. reset plow
NI 2 row narrow picker
JD 1209 haybine
JD 346 wire w/thrower
NH 273, 275, 276, 278 balers

Special - JD no-till drill, like new

D & R EQUIPMENT INC.
Ringoes, New Jersey
(201) 782-5082

TRACTORS
Ford 550 loader backhoe
Ford 8N loader backhoe
Ford 7000 w/Load Monitor
Ford 5600 low hrs.
Ford 6000 D WFE
Ford 5000 D Dual Power
Ford 5200 G 8 speed
Ford 4400 w/Loader & 3 pt.
Ford 4200 00 D SOS
Ford 3400 w/Loader
Ford NAA Hi-Lo Trans.
Ford 1500 w/350 hrs.
Ford 800 PS
IH 666 D WFE
IH 504 G, 3 pt.
IH C
IH 154 w/Rotary
AC 5040
AC 160D
AC D17 G
AC B w/Equip.
AC G w/equip.
MF 235 G, PS
MF 135 G Live PTO
Ferguson 30 w/Loader
Oliver 77 w/hydraulics
Oliver 70 w/cultivators
Oliver 660 w/hydraulics
JD 2510D
JD 2010 Gas
JD B w/cultivators
Satoh 650 w/loader
Satoh w/Woods mower
MH Pony w/cults.

EQUIPMENT
Woods 9½' Rotary Mower
JD 5' 3 pt. Rotary Mower
JD 65 Blower
MF 33 Grain Drill
JD 14T Baler
Ford 532 Baler
Ford 250 Baler
Mott Flail Mower
Ford 501 Mower

KELLER'S FARM MACHINERY, INC.
116 Richlandtown Pike
Quakertown, PA 18951
215-536-4046

OUR DUTCH AUCTION IS BACK!

Prices reduced on all items daily (except Sunday) until sold

Umberger's Of Fontana
RD4, Lebanon, PA (Fontana)
Mon.-Thurs. - 7:30-5:00; Fri. - 7:30-8:00; Sat. - 7:30-4:00
717-867-5161 or 717-867-2613
New Idea, Hesston, Gehl, Brillion, & Bush Hog Dealers

NEW EQUIPMENT

ITEM	STARTING PRICE	DAILY REDUC.	PRICE ON 7/26
7" x 41 Ft. Westfield PTO Auger on Transport	$1495.00	$ 2.00	$1469.00
8" x 51 Ft. Westfield PTO Auger on Transport	$1995 00	$ 3.00	$1956.00
Model 243 - 250 bu. New Idea Spreader w/Graetz web	$4995 00	$ 7.00	$4904.00
17'8" Bush Hog folding Transport disc 24" x ¼ blades	$10,700 00	$13.00	$10,531.00
11 ft. - 11 tooth 3 pt 3 Bar 32" shank Brillion Chisel Plow	$2225.00	$ 3.00	$2186.00
SSP7-7 tooth Glenco Soil Saver	$5650 00	$ 8.00	$5546.00
1520 Hesston 2000 Gal. Liquid Manure Spreader w/brakes, demo	$9750 00	$13.00	$9581.00
STC - 16 Folding Wing 16 ft Transport Brillion Field Harrow	$2595 00	$ 3.00	$2556.00
Gehl 1000 Forage Harvester w/electric controls w/TR3038 2 row Narrow corn head	$12,995 00	$17.00	$12,774.00
Wic 7 HP Gas Straw Chopper	$1375 00	$ 2.00	$1349.00
SFH - 113B Glenco 11' 3" Soil Finisher	$7100.00	$ 9.00	$6983.00
New Idea 402 5 bar rake w/rubber flex teeth and caster wheel	$2150 00	$ 3.00	$2111.00
SL3510 Gehl Skid Steer Loader 24 HP Gas, Water cooled, 54" Manure Fork, w/54" Material Bucket	$12,250.00	$16.00	$12,042.00
SL4600 Gehl Skid Steer Loader 44 HP Diesel, Water cooled, w/60" manure fork, w/60" material bucket	$16,675.00	$22.00	$16,389.00
80" 6 ft 7" Pull Tye Drill w/acre meter, double disc openers, demonstrator	$7100.00	$ 5.00	$7000.00
10 ft. Pull Brillion Seeder w/acre meter & transport	$3195.00	$ 5.00	$3130.00

USED EQUIPMENT

9 ft. Brillion Pulvimulcher	$ 425.00	$ 1.00	$412.00
10 ft Power Harrow Roteria 3 pt.	$1995 00	$ 3.00	$1956.00
10 ft. 0 10 tooth IH chisel plow w/twisted shovels, Hicleaner	$2150.00	$ 3.00	$2111.00
John Deere 13 single disc Grain drill on rubber	$ 750.00	$ 1.00	$737.00
10 ft. 10 tooth 3 bar Bush Hog Chisel Plow w/guage wheel	$1595.00	$ 2.00	$1569.00
2 row narrow pull New Idea Picker w/Picker w/12 roll husking bed	$4900.00	$ 6.00	$4822.00
2 row wide pull IH Picker 2PR	$1990 00	$ 5.00	$1925.00
6' x 16' 2 beater Dion Unloading Wagon on NI Gear	$2690.00	$ 3.00	$2651.00
6' x 16' 3 beater John Deere Unloading Wagon w/roof on JD gear	$2995.00	$ 4.00	$2943.00
729A Uni Sheller	$3750.00	$ 5.00	$3685.00
729 Uni Sheller	$1950.00	$ 3.00	$1911.00
600 Gehl Harvester w/2 row head, new knives and shear box	$1950.00	$ 3.00	$1911.00
IH 56 Blower	$1195.00	$ 3.00	$1156.00
IH 650 Harvester w/2 row head and pickup	$1995.00	$ 5.00	$1930.00
IH 350 Harvester w/1 row head and pickup	$ 950 00	$ 2.00	$924.00
Cobey Manure Spreader - 130 bu., 2 beater	$1175.00	$ 3.00	$722.00
New Idea 213-217 Manure Spreader, 176 bu , single beater (Tag No. ~~1200~~ SOLD)	$ 995 00	$ 2.00	$ 697.00
New Idea 214-217 Manure Spreader (Tag No 1173)	$1895 00	$ 4.00	$1291.00

IH | Badger | OMC | AVCO NEW IDEA

NEW EQUIPMENT

Tag. No.	Reg. Price	SALE PRICE
C5985 Westfield 7"x41' Auger Elevater	$2150	$1595
M3 '02 Moore No-Till Grain Drill	14,500	10,355
C5990 Tye 10' No-Till Grain Drill	13,900	10,596
C5688 IH 1250 Grinder Mixer	8900	6782
C4883 IH 238 A Loader Tractor	15,900	11,354
C4841 IH 26A Backhoe Loader Tractor	29,900	24,457

USED EQUIPMENT
As is, where is

M3473 Ford 3000 Tractor	$3500	$2909
M3435 Long 350 Tractor	2500	2795
C5946 IH 656 Tractor	5500	4722
C5945 IH 674 Tractor	9800	8995
C5679 Case 800 Tractor	2490	1895
C5030 IH 46 Baler w/Thrower	700	595
C5636 Fox 44 Table Blower, Belt Driven	450	295
C5130 Kools KB 60 Blower	1375	1000
C6190 NH 27 Blower	1500	1000
C6152 IH 263 2 pt. Cultivator	500	250
M3585 Jet Flo 52'6" Auger Elevator	1250	1100
M3464 Mayrath 24' Elevat(SOLD)	495	275
M3460 NH 36 Flail Chopper	495	275
C4988 IH 16 Forage Harvester	695	250
C5139 IH 350 Forage Harvester	995	595
M1922 Fox Custom 90 Fq. Harvester	2250	1500
M3283 NH 818 Fg. Harvester	750	595
C6084 IH 550 Fg. Harvester	2250	1300
C6069 IH 510 18x7 Grain Drill Like New	4000	3540
C6115 JD 1640 12' Disc	4000	2510
C5987 JD KBA 12' Disc	1000	825
C5962 NI 314 Sheller Attach.	595	495
C5690 NI 324 2R Picker w/12 roll bed	5500	3750

2% Cash And Carry Discount on All Parts
The Place to Buy New & Used Equipment
CHAMBERSBURG FARM SERVICE, INC.
975 S. Main St., Chambersburg, PA
Phone: 717-264-3533
717-597-8811 717-532-8800

FARM EQUIPMENT FARM EQUIPMENT FARM EQUIPMENT

USED TRACTORS

JD 420W with Loader
JD 2630
JD 2640
JD 3010 Gas
JD 3020 Gas
JD 4030 Diesel
JD 4430 Diesel
Ford 8600
Allis Chalmers G w/cult.
Case 1210
MM335 w/Loader

USED TRACTORS WAIVERED TO JAN. 1, 1983

USED EQUIPMENT

JD 336 Baler w/Thrower
JD 216 Forage Wagon
Fox Forage Wagon
Allis Chalmers Forage Wagon
Hesston Mower Cond.
Miller 10' Disc
JD 24T Baler

SHOTZBERGER'S EQUIPMENT
Elm, Pa.
Phone: 717-665-2141

LEBANON VALLEY IMPLEMENT

MF Massey Ferguson — **MF and GEHL DEALER** — GEHL Gets into your system

TRACTORS

New MF Tractors in stock MF 205, MF 245, MF 274-4, MF 285, MF 2675, and MF 2705
Used MF 30 B industrial tractor loader with cab $14,750
Used MF 285 diesel M.P. trans $15,500
Used Massey Harris 44 gas $975

USED COMBINES

MF 510 diesel w/cab, 12 ft. grain table w/pickup reel & 4 row 36" to 40" cornhead, non-quick attach ..... Asking $11,900
MF 410 diesel w/cab, grain table and 44" row quick attach cornhead $12,500
MH 82 combine w/grain head, as is $600

SKID STEER LOADERS

New Gehl 3510 in stock
Used Owatonna 16 HP overhauled engine $4,800
Used Gehl 2600 25 HP $5,800
Used John Deere #70 25 HP overhauled engine $3,995

FORAGE HARVESTERS

New 1250 Gehl harvester in stock
New 1000 Gehl harvester in stock
New 750 Gehl harvester in stock
} with waiver until Dec. 15 '82
Used IH 830 harvester with hay and corn head $6,600

FORAGE BLOWERS

New FB 99 forage blowers in stock
Used Gehl FB 88 hopper blower $850
UsedGehl FB 87 hopper blower $600

GRINDER MIXERS

New MF 1050 grinder mixer in stock
New Gehl MX 100 in stock with waiver program available
Used Gehl MX 120 hydraulic drive $3,500

GRAIN DRYER

Model 275 Moridge grain dryer with 275 bu. cap. special price at $7,200

HAY EQUIPMENT

1 - Little Giant 34ft. elevator complete less motor $2,175
New 5 bar rake with front steering wheel, special price $1,600
New MF 3 point wheel rakes $850

SPRAYER

New Century Trailer sprayer 500 gal. tank, 42 ft. booms, centrifugal pump, no drip nozzles and agitator $3,100

FORAGE BOXES

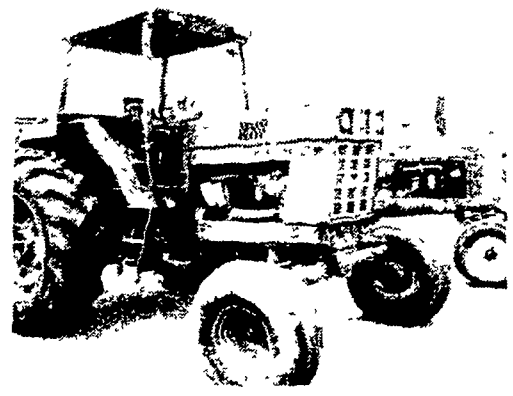
New Gehl forage boxes in stock
Used Gehl 14 ft. w/roof $2,000
Used Lamco forage box with 10 ton gear, good condition $2,100
Used Gehl forage box $900

LEBANON VALLEY IMPLEMENT CO. INC.
Richland, PA PH: 717-866-7518

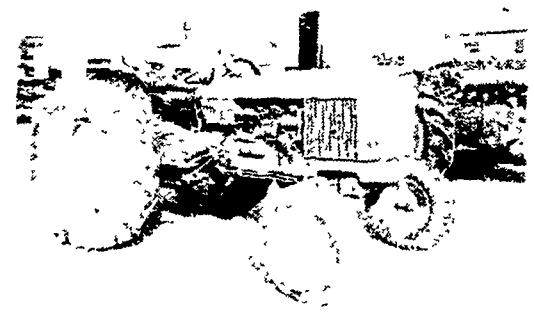
WENGERS INC.

251 S. RACE ST.
MYERSTOWN, PA 17067

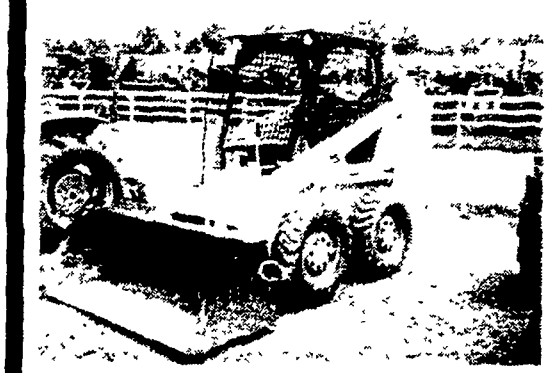
DAYS: 717-866-2135
NIGHTS: 717-866-7147
or 717-273-9089



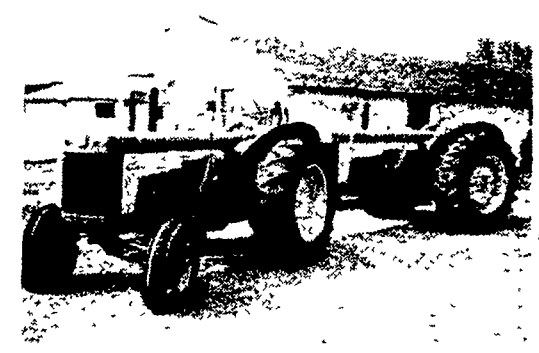
Farmall 1086 - Good Condition - $13,700 or rent me $1750 per month



JD 2020 Diesel - Time To Move $4900



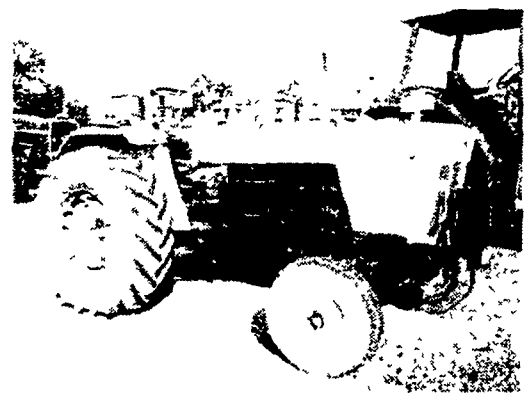
1979 Melroe 731 Bobcat Deutz Diesel - Runs Good $7500



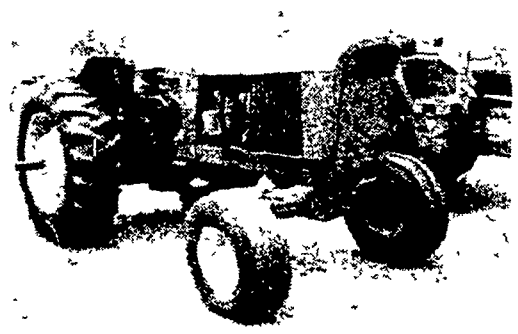
JD 830's - Nice & Clean - $4500 each or buy the train - $8750

1973 Case 1370 - New 20.8x38 Rubber Only $9950

Ford Major 4WD 3 pt. & P.T.O. Cheap 4WD Power $3950



David Brown 1212 Powershift Good Tractor $6900



1969 JD 4520 Side Console Nice $9800

1977 White 4-180 - 3 pt. & PTO 1160 Hours - 3208 Cat Diesel - Only $16,500

CONSTRUCTION EQUIPMENT

CRAWLER DOZERS

Cat D8 ..... $1950

FORKLIFTS

Int 340 - 14' ... $5800
Yale 3000 Lb. ... $3950

BACKHOES

Long 3 pt. Hoe-new $4500
Long 5 in 1 w/cab $15,900
3 Pt. Backhoe .. $2400
IH Hoe Attach .. $1800
IH 3800 4WD w/Cab $9500
Ford 4500 .... $7500

SKID STEER LOADERS

Case 1740 Diesel $5800
Case 1816 - 400 Hours $3500
Melroe 731D .. $7500
Case 1537 .... $3900

MISC. CONSTRUCTION

(40) Used hoe buckets ... From $150
(25) Loader buckets .... From $95
(30) Set forklift forks .... From $300
(6) Winches ..... Call
Adams Grader . $2000
Michigan 75 Loader $5950
8-10 Ton Roller $3950

TRAILERS

1969 Great Dane 35 ton detachable .. $14,750
New 2X 4 Ton ... 1350
New 3x6 Ton ... $2000

CRAWLER LOADERS

Cat 941 ..... $15,900
Cat 933 ..... $8750
JD 350 ..... $7500
Cat 977L $19,000

TRUCK TRACTOR

1974 Ford Louisville Diesel $7950
1979 GMC Cab Over $22,500

LOG SKIDDER

JD 440A-1970 . $8750
JD 401B-1975 . $6750
Orange Skidder $5950
IH TD6 w/winch $3850

CONSTRUCTION DUMPS

(2) 1974 IH & Ford Diesels w/9' Bodies - Air Brakes ... $11,900
1968 Ford 1 Ton $3950
1967 IH Gas ... $2500
1966 IH Diesel . $3000
1967 Ford Tri-Axle, Gas $5950

LONG WENGER'S INC.

OVER 150 TRACTORS SOLD THIS YEAR

251 SOUTH RACE STREET
MYERSTOWN, PA 17067

PHONE:
DAYS: 717-866-2135
NIGHTS: 717-866-7147
OR: 717-273-9089

TRACTORS

FARMALL TRACTORS

Cub w/Fast Hitch - Nice $2000
1086 ROPS - Nice $13,700
1066 Cab - Black Stripe .. $10,900
856D WF - 3 Pt. $8950
100 Hydro w/Rops $7950
Super M - Extra Nice $1950
F20 w/Loader - 1 Owner.... $1000
Cub w/Cultivator $2000
504 Farmall - Nice $2950

JOHN DEERE

4430 Cab - Air - Syncro... $17,500
4520 - Nice $9800
4320 ROPS - WTS $11,000
4320 ..... $11,500
5010 ..... $6500
(2) 730D - WF - 3 Pt $3700
620 ..... $2500
2020D $4900
820 - 2 Cylinder $2900
720 Gas $2500
401B - 1975 w/Winch - Nice. $6750
(2) JD 830 - 2 cyl. $4500

CASE

1370 - 20.8x38's $9950
1070 Cab - PS $7800
930CK - Cab - Nice $6900
830 CK $3500
VAC - Nice $1450
1030 ..... $4900
580 CK w/Loader & 3 pt. ... $6950
1212 - Powershift $6900

LONG

310 - New $6900
310C - New $6900
360 ..... $4800
560 4 WD $5350
610 4 WD - New $11,900
560 4 WD $3950

MASSEY FERGUSON TRACTORS

1105 ..... $8800
175D - Nice $6900
1130 ..... $6500
135 - Nice $4500
180 - Gas $4850

"8" 4 WHEEL DRIVE TRACTORS
From 30 HP to 225 HP

MF 1805 - Cab - Air - 3 pt PTO - Duals - Nice $19,500
White 4-180 - Cab - Air - 3 pt - PTO - Nice $16,500
IH 4166 - Cab - Air - 3 pt - PTO - Nice $12,950
Long 610 - New - Rollbar.. $11,900
Long 560 - 3 pt & PTO - Spider $5,350
MF 210 - Demo - Like New .. $6250
Long 560 - 3 pt & PTO $3950
Ford Major 4WD $3950

ALLIS CHALMERS

(2) D21 w/Cab - Nice $7500
220 ..... $7950
WD w/Picker $2500
(5) G w/Asst. Tools $1500 to $2000

OLIVER

1855 - Cab - 1700 Hrs..... $9800
1650 - Nice $4950
Super 88D $1375
70 w/loader $875

FORD

2000 w/Mower $3900
9600 DP - Wts $8900
NAA $2750
8N $1975
600 ..... $2750
5200 w/Cab $6500

TRACTORS - MECHANICS SPECIALS

Oliver 1800D $3000
Farmall 806D $3950
(3) Farmall 706 .... $3250 - $3750
JD R $1600
JD 4020D $5750
IH 656 D Hydro - WF $3900
JD 3020D $3950
Oliver 1750 ..... $3900

DUMPS - FARM

1974 Ford Louisville 18' Omaha Dump w/Cattle Racks Diesel $13,950
68 Dodge Diesel w/16' Dump ... $5950

COMBINE CORN HEADS

NARROW ROW
IH 833-743-733-429-329-843-863
JD 643-443-343-434-334-313-335-243
AC 630-430-330
Oliver 703N-541-531
MF 63-43-33-421-321
NH 4x30 QT
Case 4x30-3x30
NI UNI - 3x30 - 4x30

WIDE ROW
IH 744-429-329-327-724-229-228-227-25-22-844
JD 434-334-234-210-205-10-344-244-444
AC 440-435-240-238
Oliver 544-531-522-512
MF 44-24-422-322-222-22-20
NH 2x40
Case 4x40-2x40
NI UNI 3x40-2x40

TILLAGE TOOLS

8' Cultimulcher
(2) 10' Cultimulcher
(3) 12' Cultimulcher
14' Cultimulcher
16' Cultimulcher
1X - 3X AC Plows
1X - 2X - 3X Ford Plows
MF 5X Reset
1X - 2X - 4X - 5X - 6X - JD Plows
JD 4X Reset
Oliver 3X Rollover
IH 2X Rollover
1X - 2X - 3X - 4X - 5X - 7X - IH Plows
IH 5X - 6X Resets
MH 1X Plow
(30) 1X - 2X - 4X Cultivators
(30) Disc's - All Kinds & Sizes
7' - 9' - 11' - 15' - 19' Chisel Plows
3 pt. & Pull Type Field Cultivators
2X - 4X - 6X Rotary Hoes
Howard 84" & 100" Rotovators
Long 55" Rotovator
Lely 13' Roterra

NI UNI SYSTEMS

701 Tractor w/cab
727 Husking Bed
2x40 Cornhead
3x30 Cornhead
Combine
Grainhead
3x30 Chopper Head
Pickup Head
High Moisture Throat
2x40 Chopper Head
3x40 Corn Head
760 Chopper
4x30 Corn Head

CABS (ON STOCK)

New Cabs To Fit: MF 275 - 285 - 1150 - 1085 - 1105 - 1135 - 1155, Ford 5000 7000 - 8000 - 9000 - 8600 - 9600, Case 930 - 1030, Gleaner E Combine
Used Cabs to Fit. IH 06 - 56, 66 Gleaner A-E-CII Combines, IH 203-303-403 Combines, Case 960 Combines, NI 701 Uni Cab
New Cooler Units $500
Lots of Roll Bars .. Call

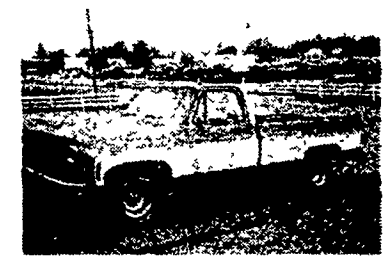
WAGONS

New 6 Ton Gear . $450
New 8 Ton Gear . $575
New 10 Ton Gear $675
New 11 Ton Tandem Gear $975
New 12 Ton Gear $975
New Bale Bodies $495
EZ 16' 3 Beater Box Only - Roof $2500
Lamco 16' 3 Beater Box Only - Roof.. 2350
(2) JD 216 - 3 Beater - Roof w/Gear ... $2250
JD 214 - 2 Beater $1850
New 16' Feeder Box $585
Feeder Wagon Complete - Used. $575

SHOES ★ SHOES
Mostly Ladies,
A Lot Of Childrens,
Some Mens
6 Pairs for
$24.95

Special Prices By 1000 Pair Lots $1.00 Per Pair If You Take All

1980 CHEVY DIESEL PICKUP



30,000 Miles, Silverado, Air, Power Windows & Door Locks, Tilt Wheel, All Options - 30 In All
$7495.00

CHOICE of 3 TRUCKS - ALL NICE

COMBINES

JD 4400 - Nice - Rotary Screen .. $15,900
JD 7700 D - Fire Damage $9500
JD 55 SB - sharp $8900
Case 660 - Nice $4500
IH 82 Pull Type $3500
IH 203 ..... $2000
Case 960 ..... $2000
IH 303 ..... $2000
JD 45 EB - Nice $6900

HARVESTING EQUIPMENT

NI 325 12 Roll Picker (Late)... $6500
NI 324 12 Roll Picker $4950
NI 325 w/Sheller $3800
NI 325 8 Roll Picker $4900
NI 319 12 Roll Picker $3000
NI 311 w/Sheller $1650
NI 323 1 Row .. $3250
Extra 12 Roll Beds Call
AC WD45 w/Ford 2X Mtd. $2500
IH M w/NI 2X Mtd. (319) .. $3950
Shellers & Grinder Attach. ..... Call
(2) MM 1200 Sheller . $3800-$4500
JD #6 Sheller . $1850
(3) NH Super 717 Base Choppers ... $1750
NH 707 1X . $1650
(2) JD 38 Base Chopper $750
IH 555 Base Chopper $750
Gehl 300 Base Chopper $750
AC 720 Base Chopper $750
JD 25 1X 3 Pt. Demo $2500
JD 35 Base Chopper $1250
IH 720 Base Chopper $3950
1X - 2X - 3X Heads to Fit Most Choppers
Pickup Heads to Fit Most Choppers
Direct Cut Heads to Fit Most Choppers
Snapper Heads to Fit NH 1X and Fox 2X - 3X
Used 4'-5'-6'-7'-8' Rotary & Flail Mowers
Brady 4X Stalk Cutter $1350
Flail Head For Fox

HAY EQUIPMENT

NH 68 Baler $850
NH 479 Haybine $2950
Hesston PT10 Haybine $950
(6) Sickle Bar Mowers ..... Call
NH 258 Rake .. $1250
JD Rake (late).. $1350
Case Baler $695
NI Rake $250
NH Mow Conveyor - New $350
Mayrath 32' Elevator $895
Zimmerman 32' Elevator $1175
Hesston 10W Stack Movers ... $650-$850
JD 200 Stack Mover $2500
Hesston 30 Stack Mover $2500
IH 27 Baler $695

NEW EQUIPMENT SPECIALS

6' 3 pt Stone Rakes $495
8' 3 Pt Stone Rakes $595
6' 3 pt Scraper Blades $245
7' 3 pt. Scraper Blades $295
8' 3 pt Scraper Blades $395 & $795
Landscape Boxes $450& up
6'6" 3 pt. Disc's $500
Spike Harrows $500-$600
3 pt Fert Seeders $395
Round Bale Feeders $145
3 pt Boom Poles $49
3 pt. P.T.O. Wood Saws $875
3 pt 9" P.H. Digger $495
1200 Bushel Corn Cribs $795
165 Bu. Gravity Boxes $475
210 Bu. Gravity Boxes $545
5' 3-pt Rotary Mower $495
5' Pull Rotary Mower $695
6' 3 pt Rotary Mower. $695
6' Pull Rotary Mower $795

MISC. EQUIPMENT

NH 354 Mill ... $3850
NH 352 Mill ... $1975
Gehl Mill $1500
Hammermills ... $295
NH Table Blower $395
Farmhand Blurr Mill $1250
P.T.O. Manure Pump $3500
Corn Drags..... $400
Belt Elevators.... Call
4' to 10' Snow Plows ..... Call
Danuser P.H. Diggers.... $695 & up
Case Lime Drill. $495
1X Potato Plows .. Call

WANTED

FARM TRACTORS - CRAWLERS - COMBINES - MACHINERY FOR OUR SALVAGE YARD

PLANTING EQUIPMENT

JD FBB 17 Drill
IH #10 16 Drill
IH 21DD Drill
JD - IH - Ferg - 2X Cornplanters
Ford - IH - AC - JD - 4X Cornplanters
JD - AC - 6X Cornplanters
JD 8X Cornplanter

MANURE SPREADERS

NH 676 Tandem $2850
(4) IH Cub
NH PTO - Nice
NI 18
JD N
(3) NI P.T.O.

DUALS - 25 SET ON STOCK ALL KINDS & SIZES - CALL

LOADERS

JD 46 Off 4020. $1000
JD 48 Off 4020. $1200
JD 148 Off 3010 ..... $1500
JD 45 Off A..... $450
Freeman Off DB 990 ..... $1200
Davis Off MF 35 $1200
IH 2350 Off 1066 ..... $1900
Drott Off IH 340 Crawler $900

NEXT AUCTION AUG. 23rd 9:30 A.M.

COME TO THE PEOPLE THAT DO BUSINESS

FARM EQUIPMENT | FARM EQUIPMENT | FARM EQUIPMENT | FARM EQUIPMENT | FARM EQUIPMENT | FARM EQUIPMENT | FARM EQUIPMENT

VERMEER

HEDLUND MARTIN INC.

Introducing Our New Line... Vicon

NEW EQUIPMENT

Vermeer 504F Baler
5 Scranton Bale Feeders
Vermeer & Scranton Bale Movers
Haybuster Big Bale Buster (For Mulching Big Round Bales)
Martin S1263 Spreader
(2) Vicon 4 Wheel 3 pt. Hitch Rakes
(1) Vicon 6 Wheel Trailer Rake
(1) Vicon 600 lb. Spreader
(1) Vicon 950 lb. Spreader
(1) Vicon 1900 Lb. Fert. Spreader
(1) Vicon 8' Mower Conditioner

USED EQUIPMENT

• MF 9' Haybine • Hawk Bilt 257 Tank Spreader • Brady Flail Shredder
• Vicon 10 ft. Power Harrow • Martin 3300 Gal. Liq. Spreader

RED WING FARMS

RD #1378, Fleetwood, Pa. 19522
215-944-0791
or 215-944-9583

INTERNATIONAL® AGRICULTURAL EQUIPMENT

NEW TRACTOR SPECIALS

Check on Rebates and Waiver of Finance till 1-1-83

IH 584 RC w/16.9x30 tires
IH 784 RC, w/18.4x30 tires
IH 886 w/rops & 18.4x38 tires
IH 3688 w/cab & 18.4x38 tires
IH 5088 w/cab & 20.8x38 tires

NEW EQUIPMENT SPECIALS

IH 810 13' Header for A 715 & 1440 Combine w/Pu Reel $3950
IH 781 Forage Harvester w/pickup $9950
IH 2250 Loader w/Bucket $3621 . . . . . $2975

NEW TILLAGE EQUIPMENT SPECIALS

REBATES UP TO $650 ON PLOWS AND DISCS THIS MONTH

IH 510 4-18 Plow $4250
IH 510 5-18 Plow $4650
IH 720 6-18 Toggle on Land . . . $8250
IH 415 Packer Mulcher 12'2" 19" Packers w/Cyl. $4950

USED TRACTORS

IH 886D w/cab nice $19,500
IH 186 D w/cab hydro nice . $22,500
IH 966, D w/WF & 2 pt. $12,500
IH F-M. $1350
IH F 300 Gas w/2 pt. $1750
IH 856 w/WF & 3 pt. $8950
IH F-H Tractor $950
IH Super C $1150

USED CORN HARVESTING & COMBINE EQUIPMENT

IH Sheller for 234 Picker $950
JD 30 Combine (Pull) $1250
Fox 1 Row Corn Head for a 546 . $150

USED HAY EQUIPMENT

IH 990 7' mower conditioner $1750
IH 37 Baler w/thrower $1800
IH 27 Baler w/thrower $1500
JD 24T w/thrower $1150
JD 480 mower conditioner 9' . . $650
IH 47 Baler w/thrower $650
Farmhand 5 Wheel hayrake . . $275
NH Super 55 hay rake 5 bar . . $695

USED TILLAGE

IH 53 4R 2 pt. cultivator, nice . $1450
IH 720 6f 18" like new w/cylinder, toggle trip. $6500
IH 315 - 12' packer mulcher $2150
IH 2R Cultivator for Super C . . $300
IH 475 20'6" disc. $5750
IH 540 4F 16" w/cyl. plow $1350
IH 710 5F 16" plow w/cyl. $2250
Ford 6' disc, 3 pt., Like new $500
IH 411 2 pt. Plow 4F 16" $500

USED SPREADER AND MISC.

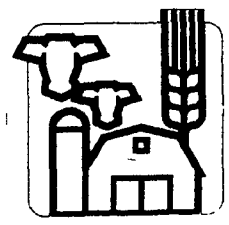
JD 79 Tub Spreader $850
NI Model 211 Spreader (Nice) . $1350

USED PLANTERS AND DRILLS

IH 56 4 row w/insect. $1950
IH 400 4 row 38" $2500
JD 494 A w/new hoppers $1350
IH 400 6 R 30" Planter, w/insect. $4500

MIFFLINBURG FARM SUPPLY, INC.

East Chestnut St., Mifflinburg, PA 17844
Phone: (717) 966-3114
Evenings - 717-524-2924 - Frank Saner



FOR SALE

MF 28 SOLD
MF 165
MF 150
MF 1105 w/cab & air
MF 2805 w/duals
JD 4020

L & M BURKHOLDER
Ephrata, PA.
717-859-2960
717-859-2712

FOR SALE

Automatic Roller Mill and trailer mount ATA 1800x6
1973 Int. truck with Oswalt mixer 380 cu. ft.
Danhauser hydraulic post driver, 3 point hitch
Big Dutchman Starney 8 ton feed tank and chain feeder
Allis Chalmers combine head, 3 row 30" adapter for Field Queen
Flail head for Field Queen
5 slat silos
1 - 10x40
3 - 12x40
1 - 16x40
1 - 14x40

Crumland Farms
John Crum
301-662-5759
Denny Crum
301-662-0407
Frederick, MD 21701

PUMPS

IRRIGATION - WASTE WATER - MANURE - INDUSTRIAL
New - Used
Diesel, PTO, Electric, Gasoline

REYNOLDS ALUMINUM PIPE

Irrigation, Repairs & Gaskets for: RACE, WOSCO, WADE, IRRECO, CHAMPION, SHUR-RANE, McDOWELL, A-M AND OTHERS

SPRINKLERS: Rainbird, Skinner & Buckner

Good rebuilt GORMAN-RUPP PTO pump, also used Hale, CMC, Marlow, Peerless-Electric

EECO, INC.
4021 N. 6th St., Harrisburg, PA 17110
717-238-9423

MF Massey Ferguson

M.M. WEAVER & SONS, INC.

LEOLA, PA. 17540 PH: 717-656-2321

Located: 4 miles West of New Holland on Route 23, 1½ miles Northeast of Leola on the North Groffdale Road, 1 mile on the right, opposite Groffdale Mennonite Church.

USED CORN HEADS

MF 83 8 Row 30" (2). . . . . @ $7000.00
MF 63 C 6 Row 30" (2) . . . . . @ $2500.00
MF 63 6 Row 30" (4). . . . . @ $2100.00
MF 44 4 Row 38" (2). . . . . @ $3500.00
MF 44 4 Row 38" (9). . . . . @ $2500.00
MF 44 4 Row 38" (3). . . . . @ $2100.00
MF 43 4 Row 30" (1) . . . . . @ $2500.00
MF 33 3 Row 30" $2500.00
MF 24 2 Row 38" $2200.00
MF 422 4 Row To Fit 510 . . . . . $1200.00
MF 621 4 Row To Fit 510 . . . . . $1200.00
MF 322 3 Row To Fit 410 . . . . . $200.00

NEW & DEMO HAY, FORAGE & PLANTING

MF 200 Harvester w/2 Row Head . . . $5700.00
(4) MF 1 row Corn Head for 200. . . . . @ $900.00
MF 22 Bale Thrower. $1520.00
(2) Farmhand F7 Hay Rake . . . . . @ $1995.00
Farmhand M 25 Hay Rake $975.00
(2) Mott 3 pt 72" Flail Mower . . . . . @ $1500.00
(4) Farmhand Corn Processor $4500.00
(4) Conveyor For Above . . . . . @ $950.00
Farmhand 815 Grinder Mixer $4900.00
EZ 14' Forage Box, Roof, 10 Ton Gear. . . $4015.00
EZ 14' Forage Box, 10 Ton Gear $3715.00
EZ 14' Forage Box, 1074 Gear. $3950.00

USED HAY - FORAGE & PLANTING

MF 1050 Grinder Mixer $3850.00
Brady 1680 Flail Chopper $2900.00
New Idea 315 Picker Sheller . . . $1800.00
JD 12A Flail Chopper $1250

TRACTORS USED

AC 7045, Power Shift, Only 120 Hrs $26,500
MF 1800 $15,500
MF 1155 8 Sp $11,000.00
MF 1155 w/Cab $15,000
MF 33 Wheel Loader $9000.00
NW 71 Skid Steer $8000.00
Long 9500 Diesel $4500.00
MF 2675 $20,000.00
MF Super 90 Diesel $4,500.00
MF 1130 engine overhauled $8000
MF 275 w/Loader $12,000
MF 175 Diesel $4500
Case 1070 w/Cab $6700

DEMO TRACTOR

(2) Ind 20C Tractor Cabs . . . . . @ $1500.00
MF 4840, 265 Hp., 18 sp. 3 pt P T O. $59,000.00

NEW & DEMO MISC. EQUIP.

York 6' Scraper. $230.00
(4) York 7' Scraper . . . . @ $250.00
York 7' Scraper. $500.00
York 8' Scraper . . . . @ $550.00
MF 226 Scraper (3) . . . @ $460.00
MF 8 10 Ton Gear 11L . . . $1140.00
MF 7 8 Ton Gear $775.00
MF 86 12 Ton Tandem Gear . . . $1525.00
MF 5 Ton 5th Wheel Gear $300.00
EZ 672 6 Ton Gear $675.00
EZ 872 8 Ton Gear (3) . . . @ $830.00
EZ 1074 10 Ton Gear $1050.00
MF 216 Q A Loader $1750.00
MF 32A Loader $3500.00
Dunham 22 Loader (2) . . . @ $2550.00
Danuser Post Hole Digger . . . $875.00
Little Giant Corn Drag $780.00
EZ 170 Bu Gravity Box (2) . . @ $530.00
EZ 220 Bu Gravity Box $900.00
Danuser Post Driver $1300.00

NEW & DEMO PLOWS & TILLAGE

MF 43 2-14 Plow $1060.00
MF 129 3 pt. Chisel Plow $1375.00
Dunham 8 Tooth Chisel Plow. $1600.00
MF 730 Disc Harrow 10' $4950.00
Dunham 14' Cultipacker $1350.00
MF 428 4-38 Cultivator $1250.00
MF 620, 12' Disc Harrow $4950.00
Glenco 7 Tooth Soil Saver $5600.00

USED PLOWS & TILLAGE

MF 520 Disc 10' $1500
Oliver 4x16 Semi-Mtd. Plow $1000
Ford 5x18 On-Land Plow, Auto Reset . . . $2000
IHC 16' Vibra Shank $1500
JD 28' Rotary Hoe $1800

WE SOLD 20 NEW MF COMBINES LAST WINTER. CONTACT US NOW FOR THE BEST SELECTION OF GOOD USED COMBINES.

USED COMBINES

1980 MF 760 V8, 15 ft. Floating Header, 1163 Corn Head . . . $62,000.00
1979 MF 760 V8, 14 Ft. Grain Head, 1163 Corn Head . . . $51,000.00
1979 MF 760 V8, with Grain Saver & Chopper. $45,000.00
1978 MF 760 V8, with rear Wheel Drive & Grain Saver $48,000.00
1978 MF 510 Hydro, 13 Ft Grain 4 Row C.H . . . $27,000.00
1977 NH TR 70 only 415 hrs. . $22,000.00
1976 MF 750 Hydro, 14 Ft Grain Head . . . $29,000.00
1976 MF 750 Gear Drive, 14 Ft Grain Head, 1144 C H $31,000.00
1975 MF 760 V8, 15 Ft. Grain Head . $29,000.00
1974 MF 510 Diesel, 16 Ft Floating Header $17,500.00
1974 JD 6600 Dsl., 13' Grain Head . $28,000
1972 MF 760 Gear Drive, 16 Ft Grain Head . . . $19,500.00
1972 MF 510 Diesel Hydro, 13 Ft Grain Head . . . $14,500.00
1972 MF 410 Diesel 13' Grain Head $12,500
1970 MF 510 Diesel Hydro, Less Heads $12,500.00
1968 MF 510 Diesel, 13 Ft Grain Head, 43 Corn Head $15,500.00
1968 MF 510 Diesel, 13 Ft. Grain Head . . $12,500.00
1968 Gleaner CII, 13 Ft Grain Head, 4 Row 36" C.H . . $8500.00
MF 510 Gas, 12 Ft. Grain Head, 421 Corn Head . . . $9000.00
IH 315 Gas, 12 Ft Grain Head, 2 Row Corn Head $7900.00
IH 315 Gas, 12 Ft Grain Head . . . $4900.00
IH 141, 10 Ft Grain Head . . $2000.00
IH 303, 10 Ft. Grain Head, 2 Row Corn Head $3900.00

USED MISC. EQUIP.

Fontana Loader . . . $800.00
Century Sprayer . . . $1250.00
7' Snow Blower $600.00
Brady 140 Flail Spreader, As - Is . . $150.00
Sauder FHV20 Loader $400.00

EXTRA SPECIAL PRICE ON NEW MF 540 COMBINE

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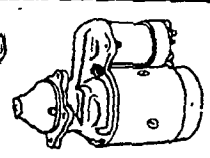

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We will repair or rebuild your tractor diesel or truck starter, generator or alternator. We can return by UPS. All work guaranteed.

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Wood Mill Corp. repairs all makes of forage wagons. We can supply anything from fully assembled/painted sides, floors, tails/roofs to replacing main or cross members or pieces of sides, floors or tails. We can supply new roof sheets for you to install or do the complete job. We make forage wagons for the major companies and we have wood parts in stock.

Free Estimates

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New Holland, PA 17557
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USED EQUIPMENT
Farmall H tractor
Ford 2000 tractor, 4 cyl.
Ford 530 baler
(2) NH 717 forage harvesters

LAST YEAR'S EQUIPMENT
310 NH baler w/wagon hitch & bale chute
213 NH spreader, used once only
230 NH wagon w/new tires

Ford Tractors Equipment

EDWARDS FARM EQUIPMENT
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USED TRACTORS
Case 930 Comfort King tractor, diesel.
A-C D17 tractor, WF, belt pulley, new rubber & paint.
Both in excellent condition.

USED ENGINE
Deutz F5L 912 diesel power unit 73 hp, with or without clutch - reduction. Like new.

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Bird-In-Hand, PA 17505

JOIN THE SWITCH TO HIGH MOISTURE CORN NOW AVAILABLE AND AFFORDABLE

FILL I... at a price yo...

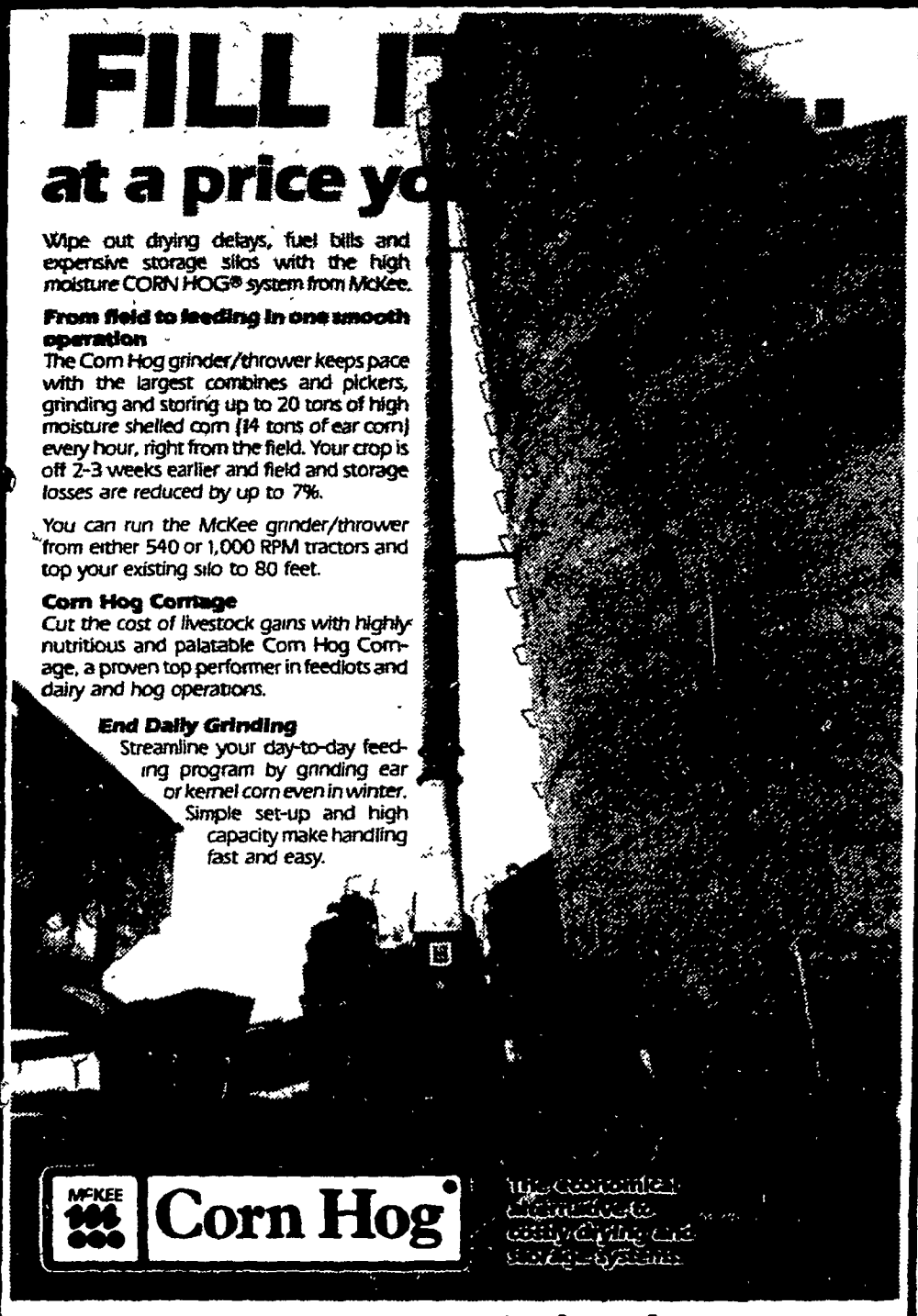
Wipe out drying delays, fuel bills and expensive storage silos with the high moisture CORN HOG® system from McKee.

From field to feeding in one smooth operation
The Corn Hog grinder/thrower keeps pace with the largest combines and pickers, grinding and storing up to 20 tons of high moisture shelled corn (14 tons of ear corn) every hour, right from the field. Your crop is off 2-3 weeks earlier and field and storage losses are reduced by up to 7%.

You can run the McKee grinder/thrower from either 540 or 1,000 RPM tractors and top your existing silo to 80 feet.

Corn Hog Cornage
Cut the cost of livestock gains with highly nutritious and palatable Corn Hog Cornage, a proven top performer in feedlots and dairy and hog operations.

End Daily Grinding
Streamline your day-to-day feeding program by grinding ear or kernel corn even in winter. Simple set-up and high capacity make handling fast and easy.



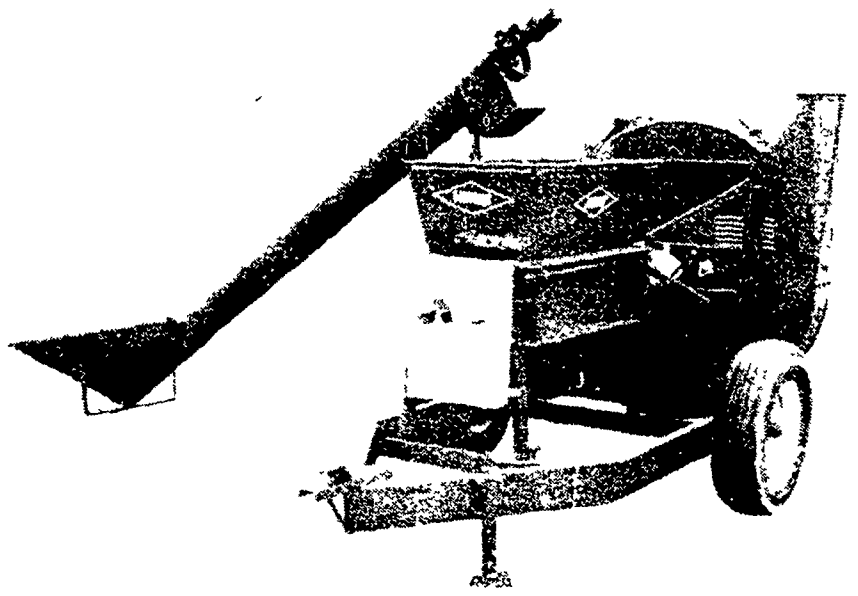
McKEE Corn Hog®

McKee Corn Hog Grinder Thrower

- 540 RPM with Gravity Feed Hopper $3635
- 540 RPM with Hydraulic Driven Loading Auger $4600
- 1000 RPM with Gravity Feed Hopper $3545
- 1000 RPM with Hydraulic Driven Loading Auger $4510

1 Unit Available For Rental - Call For Rates

HENKE ROLLER MILLS
with Blower



Henke Roller Mills process wet or dry shelled corn, ear corn, barley or milo.

You may add 25 per cent or more to existing storage just by processing wet grain thru a Henke Roller Mill. The uniform particles pack in tightly, taking less space. Because there's more grain, there's less air - so feed stays fresh, palatable.

Don't worry about harvest slow-down, either. Henke has the capacity to fit your operation with corrugations to handle your grain.

Why dry when processing wet grains with a Henke mill requires less time at a fraction of cost - and you get more feed value. You don't have to transfer grain from dryer to storage. Processing wet grains eliminates investments in driers.

Harvesting early - when grain is 25 per cent to 30 per cent moisture - has long been possible with Henke mills. Field losses are reduced by early harvest and winter weather is avoided.

Feeding value of grain is enhanced by processing it with a Henke mill. Granulation by Henke mills allows activation by rumen bacteria for proper assimulation of feedstuffs.

Even silage with whole corn kernels has its feeding values enhanced by processing thru a Henke Roller Mill. Dairymen in Southeast United States have obtained a sizeable increase in milk production by processing their silage thru a Roller Mill to assure that all kernels are cracked.

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USED EQUIPMENT

TRACTORS

Oliver 1655

SPREADERS

NI 212 Spreader
NH 510 Spreader
NH 367 Tank Spreader, LH
NH 790 Spreader

TILLAGE - PLANTING

White 5400 Planter
JD 1240 4-Row w/Monitor
Brillion 14' Transport Harrow

COMBINES

NH 975
Oliver 18 Pull Type

HAYTOOLS

NH 268 Baler w/Thrower
NH 68 Baler
Oliver 620 Baler w/Thrower
JD 483 Mower Cond.
NH 460 Haybine
Gehl 880 Mower Conditioner
Hesston 1090 Mower Conditioner

FORAGE TOOLS

NH Super 717 w/1-Row
NH 717 Harvester w/1-Row
NH 880 R2-2-Row Head
IHC 16 w/1-Row & Pickup

NEW EQUIPMENT IN STOCK

WHITE 2-30 2-Wheel Drive
WHITE 2-45, 2 & 4 Wheel Drive
WHITE 2-62, 2 & 4 Wheel Drive
WHITE 2-70 Tractor
WHITE 2-85 Tractor
WHITE 2-105 Tractor
WHITE 2-135 Tractor
WHITE 543, 4 & 6R Planter, No Till
WHITE 5100, 4 & 6R Planter, No Till
WHITE 254 10' 4" Disc
WHITE 348 SAR Plow
WHITE 508 SAR Plow
WHITE 466 Chisel Plow
WHITE 285 Field Cultivator
NH L425 Loader
NH 707, 718, 782, 892 Harvesters
NH 310, 311 & 315 Balers
NH 847 Round Baler
NH 80 & 90 Bale Movers
NH 488, 489 & 1495 Haybines
NH 256 & 258 Rakes
NH 38 Crop Chopper
NH 28 & 30 Blowers
NH No. 8 Forage Box
NH 513, 519, 679 & 800 Spreaders
NH 367, 363 & 303 Tank Spreaders
NH TR75 Combine
KUBOTA - All Sizes In Stock
CAGLE Sprayer
BOBCAT 530, 642 & 743
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MORRIDGE 275 Grain Dryer

KUBOTA® bobcat

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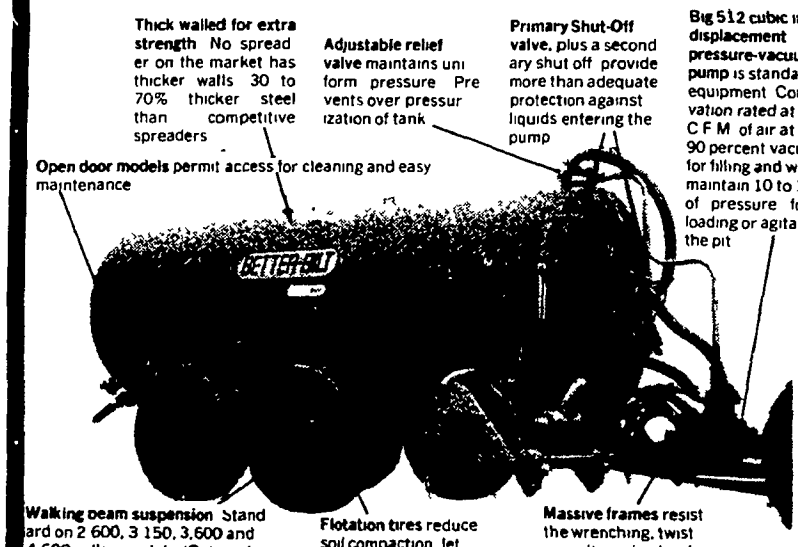
Outstanding Features


Thick walled for extra strength No spreader on the market has thicker walls 30 to 70% thicker steel than competitive spreaders
Adjustable relief valve maintains uniform pressure Prevents over pressurization of tank
Primary Shut-Off valve, plus a secondary shut off provide more than adequate protection against liquids entering the pump
Big 512 cubic inch displacement pressure-vacuum pump is standard equipment Conservation rated at 135 C F M of air at 85 to 90 percent vacuum for filling and will maintain 10 to 15 lbs of pressure for unloading or agitation in the pit
Open door models permit access for cleaning and easy maintenance
Walking beam suspension Standard on 2 600, 3 150, 3,600 and 4,600 gallon models (Optional on 1,500 & 2,100 gallon models) Front & rear wheels on each beam follow contour of the ground, provides a smooth level ride
Flotation tires reduce soil compaction let you spread on soft ground early in season
Massive frames resist the wrenching, twisting jolting shocks of hard field usage, year after year

Sizes - 800 gal. thru 4600 gal.
Both vacuum & augermatic spreaders for truck mount or trailer type

SPECIAL

1 - USED BETTER BILT 2600 Gallon VACUUM SPREADER w/Tandem Axle and 4" Suction Hose, Plow Down Attach.

1 - Used 5½ ft. Pickup Head for JD 3940 Harvester, good condition.
One 7' Myers snowplow for Ford ½ ton pickup, good condition

CALL US FOR YOUR NEEDS OF

- Farrowing Crates
- Lagoon Pumps
- High Pressure Pumps

PARTSMART

Farm'n Ranch Sale

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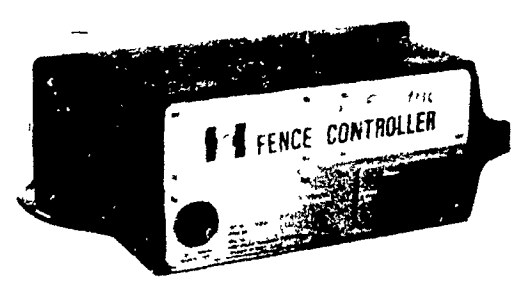
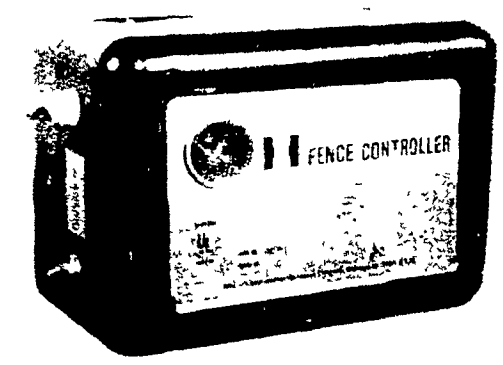
A SHOCKING DEAL - 25% OFF



DELUXE ELECTRIC MODEL

• This is a top-of-the-line fence controller. • Replaceable circuit boards and transformers. • Complete with built-in lightning arrestor and replaceable fuses. • Signal lamp indicates the strength of the shock on the fence line. The brighter the light, the stronger the shock. If the light is completely off, the line is shorted out. • Completely electronic-solid-state. • No moving parts • Operates on 120 volts, 60 cycles AC. • Non-burning shock; approximately 55 shocks per minute. • Works extremely well on a heavily weed-grounded fence, even in wet weather. • Ground indicator light flashes if the controller is not adequately grounded. • Peak secondary current: 2 amps. • Peak secondary voltage 12,000 • Size: 11½x7x5". • Net weight: 5 pounds • U.L. listed. • Part number: 1131 918 R1.

Reg. $63.00 SALE $47.25



DELUXE PORTABLE MODEL

• This unit operates off a 6-volt battery. It has a battery compartment that will house a standard 6-volt "hot shot" battery. • Approximately 50 shocks per minute. • Shock duration 1/40 second. • Signal lamp shows the strength of the light, the brighter the light, the stronger the shock. If the light is completely off, the line is shorted out. • Peak secondary current: .4 amp. • Peak secondary voltage: 10,000. • Size: 11¼x8x6. • Net weight: 10 pounds • U.L. listed. • Part number: 1131 921 R1.

Reg. $50.00 SALE $37.50

COMBINES

7435 IH 1460, 1978, 1102 Hrs.
7437 IH 1460, 1980, 1041 Hrs
6817 IH 1460, 1978, 1500 Hrs.
7495 IH 1440, 1978, 1417 Hrs.
7138 IH 915D
5742 IH 915D
7104 IH 815D w/763 Cornhead & 13' Grainhead
7244 IH 815D
7142 IH 715D
7236 IH 315 w/3R Cornhead & 13' Grainhead
7158 AC Gleaner F w/A330 Cornhead & 13' Grainhead
7098 NH TR70 w/962N4 Cornhead & 960 15' Grainhead
6126 IH 503-C w/430 WN Cornhead & 13.5' Grainhead
7222 MF 510 w/63 Cornhead & 13' Grainhead
5373 MF 300 w/2R Cornhead & 13' Grainhead

TRACTORS

7388 Kubota L245DT 4WD w/1200 Loader
7183 Steiger ST-251 Cougar III
7718 Deere 2010 Gas
7721 IH F966D w/Year Around Cab, clean
7617 Case 4690 4WD, 607 Hrs.
7626 IH-F1066D, 1976, 1671 Hrs.
7379 IH-F1456D Cab w/Air
7380 Deere 6030, Cab & Air
6432 IH-F1586D, 1710 Hrs.
7305 White - 2-155, 1224 Hrs.
7449 Ford 335 Industrial Loader, 1978
7131 MF 1085 w/Loader & Cab, 2213 Hrs.
7604 IH E 1466D
6594 IH 4366 4 WD
7302 IH F1486D
7730 IH 706D
7701 Deere 3020 Diesel
7372 IH F1466D w/cab
7573 IH F1466D w/cab
7569 IH 1066D w/cab
7292 IH 544D Hydro
7500 IH Farmall M
7059 IH Farmall M w/2M Cornpicker
7373 Deere 8630 4 WD w/Dual
7273 IH-F1066D Hydro
7448 IH-F986D, Rops Cab
7678 IH-F 1466D w/Cab
7797 IH 656D Utility - Hydrostatic Deere 4230D

DRILLS

7554 MF 43 22x7 w/Grass Seed
7567 IH 510 21x7 Comb w/DD
6975 IH #10 16x7 w/Grass Seed
7571 Ontario 13x7 w/Grass Seed

PLANTERS

3288 IH 400 8R Cyclo
6654 IH 400 4R Cyclo
6475 IH 400 4R Cyclo
7623 IH 56 4 Row
7625 White 4 Row, No Till
7720 AC 600 6R Plate Planter w/No-Til

TILLAGE

7691 Krause 1924 Disk
7692 Krause 2204 Disk
7075 Krause 3209 Disk
7491 Krause 2416 Disk
7049 Krause 2413 Disk w/Tine Harrow
7184 Krause 2413 Disk
7550 Krause 1588 Disk
6798 IH 350 Disk 11'
4544 JD 330 Disk 24'
5440 JD KB Disk
7561 JD KBA 12' Disk
6972 JD 12' Offset Disk
6330 JD 310 12½' Disk
7577 JD 310 11' Disk
7525 JD AW 12' Disk
7157 Sunflower G2-12 Disk
5584 Sunflower G4-29 Disk
6033 AC 3300 24' Disk
7413 Oliver 252 10½' Disk
7572 Athens 163 11' Disk
7564 Brillion WP108 25' Crowfoot Packer
7562 IH 800 10F-18" Plow
7198 IH 720 6F-18" Plow
6982 IH 710 6F-18" Plow
6373 IH 700 5F-16" Plow
6470 IH 540 4F Plow
7543 IH 531 3F-16" Plow
7322 IH 1F Plow for Cub
7537 Binkley 2111 Digger Disc
6493 Glenco 11 Shank Soilsaver
7538 Brillion 20' Wing Field Cultivator
7504 IH 45 8½' Vibra Shank - Mtd.
7648 IH 55 13 Shk. Tri. Chisel Plow
7630 Ferguson 147 Chisel Plow
7747 McCormick 2F Disk Plow

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THE NEW NUMBER 1

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5088-135 PTO HP | **5288-160 PTO HP** | **5488 - 185 PTO HP**

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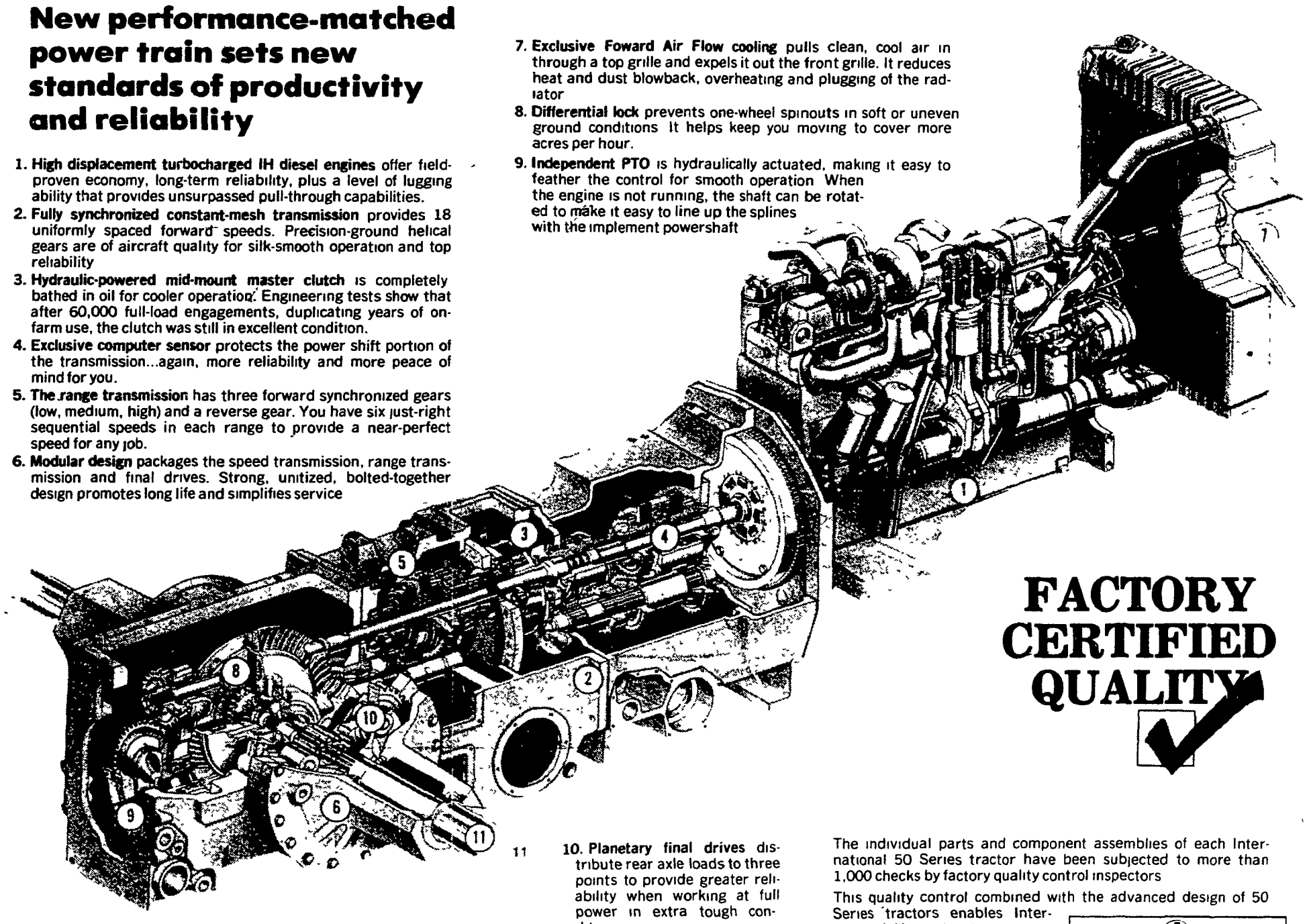
New performance-matched power train sets new standards of productivity and reliability

1. **High displacement turbocharged IH diesel engines** offer field-proven economy, long-term reliability, plus a level of lugging ability that provides unsurpassed pull-through capabilities.
2. **Fully synchronized constant-mesh transmission** provides 18 uniformly spaced forward speeds. Precision-ground helical gears are of aircraft quality for silk-smooth operation and top reliability
3. **Hydraulic-powered mid-mount master clutch** is completely bathed in oil for cooler operation. Engineering tests show that after 60,000 full-load engagements, duplicating years of on-farm use, the clutch was still in excellent condition.
4. **Exclusive computer sensor** protects the power shift portion of the transmission...again, more reliability and more peace of mind for you.
5. **The range transmission** has three forward synchronized gears (low, medium, high) and a reverse gear. You have six just-right sequential speeds in each range to provide a near-perfect speed for any job.
6. **Modular design** packages the speed transmission, range transmission and final drives. Strong, unitized, bolted-together design promotes long life and simplifies service
7. **Exclusive Foward Air Flow cooling** pulls clean, cool air in through a top grille and expels it out the front grille. It reduces heat and dust blowback, overheating and plugging of the radiator
8. **Differential lock** prevents one-wheel spinouts in soft or uneven ground conditions It helps keep you moving to cover more acres per hour.
9. **Independent PTO** is hydraulically actuated, making it easy to feather the control for smooth operation When the engine is not running, the shaft can be rotated to make it easy to line up the splines with the implement powershaft



10. **Planetary final drives** distribute rear axle loads to three points to provide greater reliability when working at full power in extra tough conditions

11. **Heavy-duty, heat-treated axles** have the brute strength to absorb the punishment that's dished out when working in rough field conditions.

FACTORY CERTIFIED QUALITY

The individual parts and component assemblies of each International 50 Series tractor have been subjected to more than 1,000 checks by factory quality control inspectors

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- **Leasing Available**

Sales & Service

K & S INC.

RD 1 Quarryville, PA 17566
PH: 717-284-3111

New Equipment Specials
For the Month of July

IH 986 diesel tractor w/factory rebate	$25,300
IH 484	$9,500
IH 4135 skid loader	$7,500
1190 mower conditioner	$5,950
IH 425 baler w/thrower	$5,850
IH 35 rake	$1,840
IH 720 5 furrow 18" plow, automatic reset	$6,220
IH 720 4 furrow 18" plow	$4,920
IH 475 disc harr SOLD	$4,175
IH 5500 chisel plow 7'	$1,300
IH 560 spreader	$3,650
IH 595 spreader	$6,240
IH #20 blade	$350
IH 482 Cub Cadet w/44" mower	$2,180
IH 255 power washer	$510
230 McCurdy gravity box	

F.O.B. McAlisterville
No Trades

NEW TRACTORS

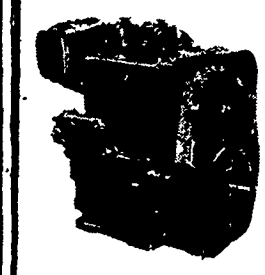
IH 684
IH 584
IH 484
IH 5088
IH 3288

USED EQUIPMENT

154 Lowboy w/mower $2,500
Farmall M $1,500
IH 504 tractor $3,650
Ferguson tractor, $1700
Farmall 460 gas, $3500
Oliver 1650 tractor $4,800
AC WD $1,000
AC gleaner combine model CII 14' grain & 4 row corn head $7000
(2) IH 205 combine $6500
IH 315 combine $4,700
Oliver combine $700
IH 311 fast hitch plow $350
MF 3 furrow plow $200
Oliver 3 furrow plow $400
IH 76 combine $500
IH 455 4 row corn planter $2500
IH 3 pt. hitch corn planter $500
NH 469 haybine $2300
IH 400 Cyclo planter, 4 row, no-till $4200
IH 234 corn picker $2200
IH 2 MH corn picker $500
2- IH 990 mower conditioner, $1975
IH 234 sheller attachment $1325
2 IH 550 forage harvester hay & corn head $1500
NH 3 pt. hitch mower $800
Brillion 9' cultipacker $275
JD 12A combine $600

DOMBACH EQUIPMENT
McAlisterville, Pa. 717-463-2191

Potter



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PH: 717-656-6133
2998 West Newport Rd.
Ronks, PA 17572

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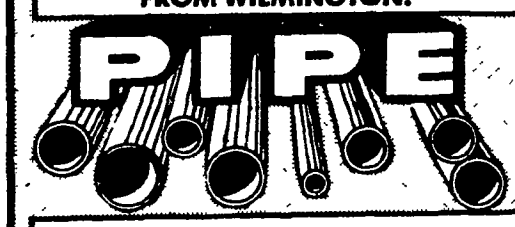

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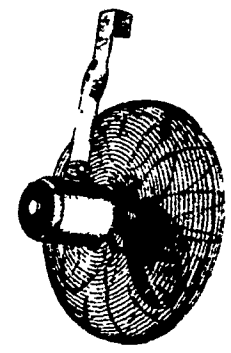

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1978 F986 DIESEL
• With ROPS, Enclosure, 922 Hrs.

1976 F186 DIESEL
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IH F886D TRACTOR
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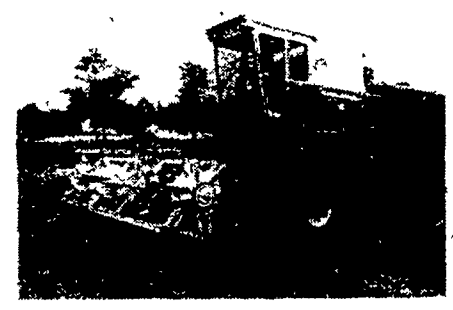
1975 JD 4030D Quad Range
• 2821 Hours

MF 510 COMBINE
• Diesel Engine



IH 815 COMBINE
• 13 Ft. Header, 743 Cornhead

bobcat

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Tractors
Farmall H
Farmall M
Farmall 856D
IH F 400 D
IH F 450 Gas
IH F 460
F986D
IH F656 D, Hydro
IH F1256
IH Hydro 186
JD 4030
MF 255
Ford 900
Oliver 550 w/Loader

Tillage
IH 24 Offset Disc
IH 45 Vibra Shank
IH 122 Mtd. Disc Harrow
IH 4500 V.S. 12 Ft.
Lely Power Harrow
JD KBA Disc

Skid Loaders
IH 3200
Bobcat 520
Gehl 2600

Plows
IH 211 2F 16"
IH 700 6F Auto. Reset
IH No. 8 Trailing
IH 412
3F Trailing Plow
MF 3F 3 pt. Plow
MF 5F 14" Mounted
JD 3 pt. 3F Plow
Ford 3F 14" 3 pt.
Ford 5F 18"

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IH 46 Baler w/Thrower
IH 10 Bale Thrower
IH 27V Mower
IH Cub 222 Mower
IH 990 9 Ft. Mower Conditioner
M.C. Rotary Scythe
Myers Hay Crusher
NI Mower
NI Mower Conditioner
NI 402 Rake
JD 214 Baler
JD 1209 Mower Cond.
MF Rake

Pickers
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IH 2 MHD
NI 2-Row Mounted
NI No. 10 Cornpicker
NI 323 1-Row
MH 2 Row Self Propelled Picker

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IH 16 Harvester w/2 Heads
IH 550 Harvester w/2 Heads
IH 650 Forage Harvester
IH 50 w/PTO Drive
IH 56 Blower
IH 2 Row Wide Row Crop Units
JD 6 Harvester
JD 34 Harvester w/2 Heads
JD 16A Flail Chopper
IH 5 Flail Chopper
IH Hay Pickup 550/650
IH Direct Cut 350
AC 780 Harvester
Fox 546 Harvester
NH 717
IH 42 Blower
NH 23 Blower
NH 25 Blower
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Gehl FB99 Blower

Planters & Drills
IH 449 Planter
IH 500 Planter, 6 Row
Pittsburgh 4-Row 3-pt. Cultivator
IH 400 Cyclo, 6 row, N
IH 400 Cyclo 4 Row
IH Super C Cultivator
JD 4 Sect. Rot. Hoe
JD 494 Planter
JD 1240, 4-Row
JD 15x7 Drill
JD FB 177B Drill, 17x7
JD 1250 Planter
MF 468 4-R Planter
MF 4 Row Cult.
Ontario 13x7 Drill
Oliver 17x7 Drill

Lawn & Garden
IH Cadet 60 Riding Mower
IH 81 Lawn Tractor
NI EGT 100 Electric
MF 16 Tract. w/Mower
Snow Blowers
E.Z. Lawn Vac.
AMF 10 HP Rider
Bolens G10 w/Mower
JD 110 w/Mower and Snow Thrower
Sears 10 HP w/Mower

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IH 127
IH 403 Combine
IH 815D Combine
IH 810 15' Grain Head
IH 227 Corn Head
IH 429 Corn Head
IH 743 Corn Head
IH 844 Corn Head
MF 510 Combine

Miscellaneous
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IH 1050 Loader
IH 1850 Loader
IH 2001 Loader
IH 580 Spreader
NI 213 Spreader
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Martin 2400 Gal. Spreader
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24" smooth blades ¼" thick, 9½" spacing, new dual tires & tubes, furrow filler & set up, list $8257 . . . . . SALE $ 7,000

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42' w/PTO drive . . . . . SALE $ 2,550

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hydraulic hose . . . . . Avail For Rental . . SALE $ 4,500

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4 Wheel, 3 Pt , list $1100 . . . . . Was $900 SALE $ 750

VICON H820 HAY RAKE
5 Wheel, 3 Pt., list $1375 . . . . . Was $1,000 SALE $ 950

• John Blue Sprayers In Stock!
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18' folding, 3 pt hitch, less cyl., list $2150 . . . . . SALE $ 1,250

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NEW IH 5000 SELF PROPELLED WINDROWER DIESEL
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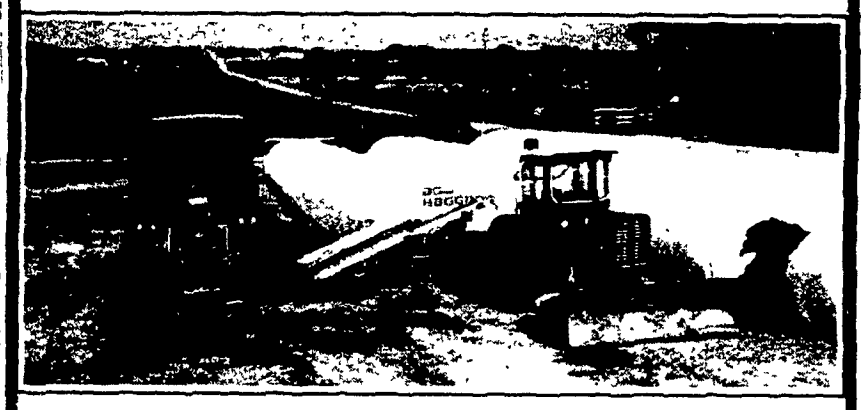

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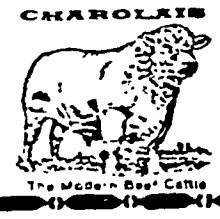

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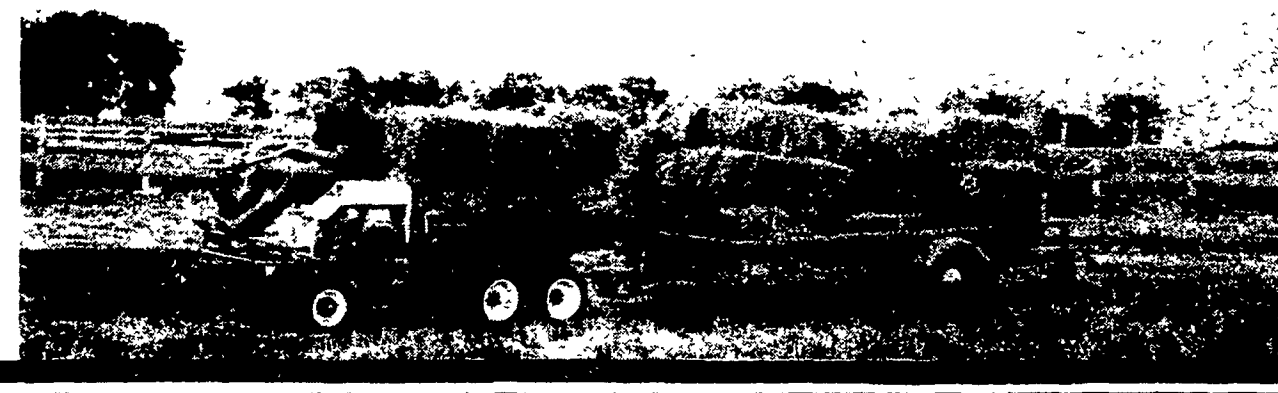

350 Souper Solid
The Versatile Knight Spreader

If you handle sloppy manure, you can fully appreciate the *Knight 350 Soup er Solid.*

The 350 Soup er Solid has specially flared top steel rails to help prevent spillage during transport...flexible seals around the hydraulic endgate and apron return to retard leakage... and an ingenious system that tilts the box to an angle for fast unloading and fast clean out of sloppy material. The hydraulic endgate (raised to as little as 3 inches) can be used to meter the flow of sloppy material while the lower spinner beater efficiently spreads the sloppy manure... precisely where you want it.

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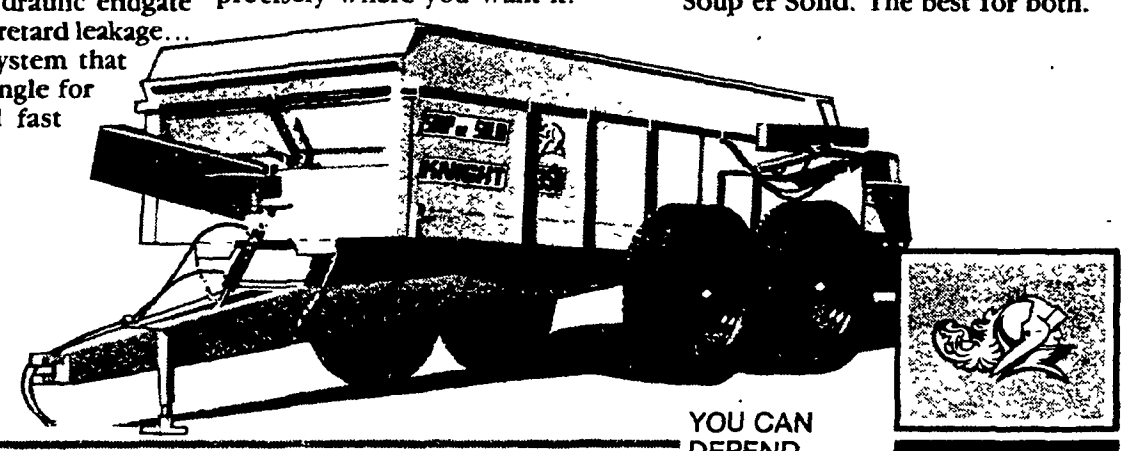
If you buy only one manure spreader, make it the Knight 350 Soup er Solid. The best for both.



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Deliver that feed faster than ever before with Knight's exclusive 3-auger conveyor. Three "continuous feed" augers bring the feed from the box more efficiently and distribute it more evenly than any other discharge system. Fewer parts, heavier construction, and hydraulic power are your assurance of reliability and dependability at the critical discharge point

Get all the facts about the Knight Auggie's new 3-auger chute system from your local Knight dealer.

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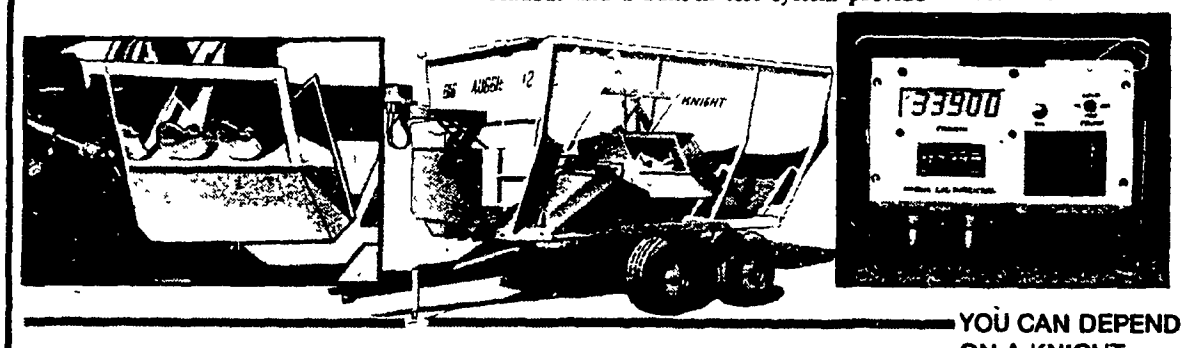
Knight's new *Digital Scale* option gives you total control over your Total Mixed Ration Program . . . and Knight's *Auggie* gives you the positive blend of *all* ingredients that you must have.



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Very few moving parts.

530 gal. (35-40 cows manure) **$1495.00**
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80 bu. size **$395.00**
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All equipment guaranteed 1 yr.
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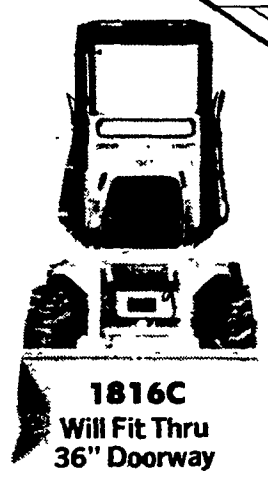
- Plus A Good Inventory of Used Units



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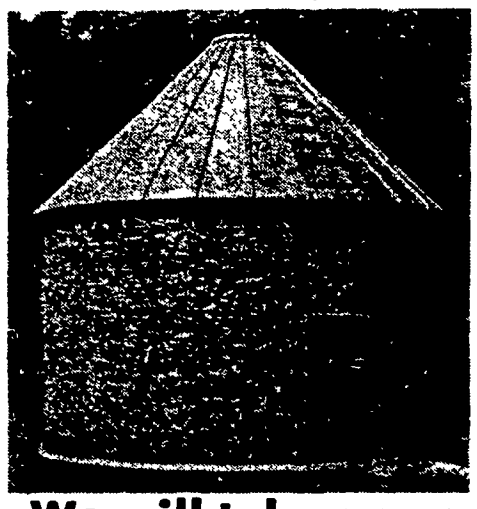

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Model - FL-10 611 bushels plus extra capacity in roof area
Model - EL-10 1085 bushels plus extra capacity in roof area
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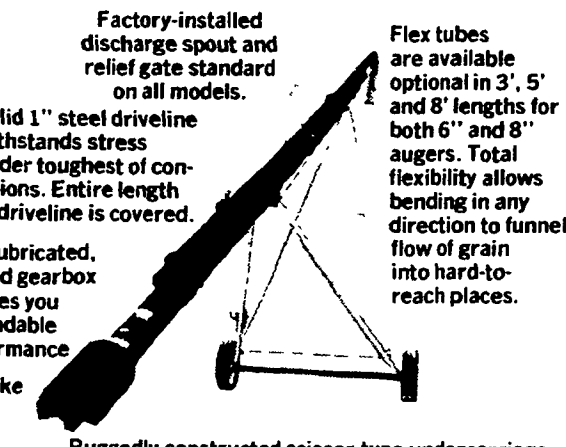
Plus extra discounts if you setup and tow away Now!

Stop that bagging and shoveling and speed your grain away with a Speed-King grain auger from Binkley & Hurst Bros. INC.



Factory-installed discharge spout and relief gate standard on all models.

Solid 1" steel driveline withstands stress under toughest of conditions. Entire length of driveline is covered.

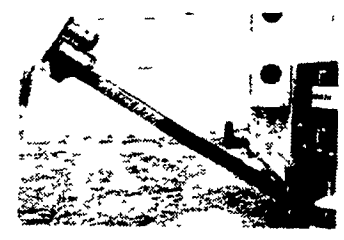
Pre-lubricated, sealed gearbox assures you dependable performance

Heavy-duty intake flighting to give added life. Wire screen cage provides protection.

Flex tubes are available optional in 3', 5' and 8' lengths for both 6" and 8" augers. Total flexibility allows bending in any direction to funnel flow of grain into hard-to-reach places.

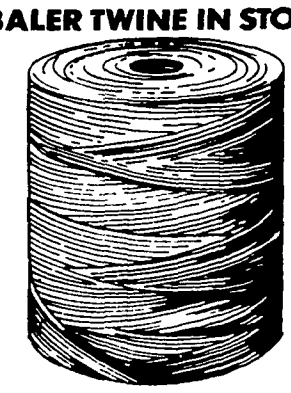
Ruggedly constructed scissor-type undercarriage "tucks away" to get in close to bins for maximum reach. Trussed axle arms for strength and stability at any angle.

Also In Stock:



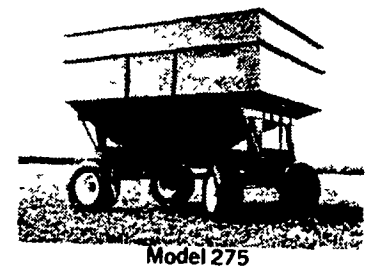
- New, 11' long by 4" diameter with motor mt., control sleeve, safety cage
- 16' long by 4" diameter with motor mt., control sleeve, safety cage
- 12' long by 6" diameter with motor mt., safety cage, belt and guard
- 17' long by 6" diameter with motor mt., safety cage, control sleeve

BALER TWINE IN STOCK



McCurdy
the Old Reliable

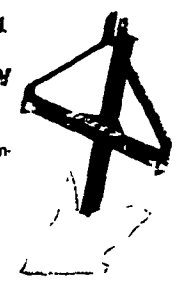
★ Before You Buy, Check With Us.
★ Most Sizes In Stock For Quick Service And Availability
★ We Sell in Volume



Model 275

DIG YOUR POTATOES THE EASY WAY!

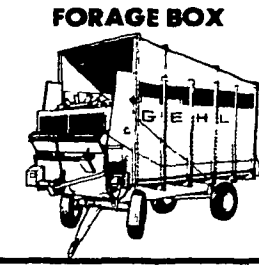
They Do Work!
The 3 PT. HITCH, 1 ROW
POTATO PLOW
HEAVY ANGLE TOW BAR
Features:
- FRAME-Welded Construction
- SHANK-1"x4"
- HITCH-Standard Category 1
- BUSHER SHAPE



$97.85 COMPLETE
IN STOCK

NOTICE

ONE ONLY
DON'T BUY ANY AUGER UNLOADING FORAGE BOX UNTIL YOU SEE OUR CONTINUOUS DRIVE GEHL ECONOMICAL UNLOADING FORAGE BOX



Gehl's 640 self-unloading forage box gives you high capacity unloading for quick field-to-silo-to-field cycles. Time-saving features include front safety bar and side safety cables for quick shutdown, plus a large 16' cross conveyor auger that unloads the heaviest loads quickly, evenly For economical unloading, stop by and see the Gehl 640 forage box today!

In stock serial # 3249 6x14 3 beater roof Mounted on Heavy Duty 10 ton wagon with 10:00x15, 8 ply tires and quick hitch

Cash Price **$4,250.00**

BINKLEY & HURST BROS., INC.

133 Rothsville Station Road, Lititz, PA 17543
PH: 717-626-4705
Hours: Daily 7 A.M. to 5 P.M.; Sat. 7 A.M. to 11:30 A.M.

FARM EQUIPMENT FARM EQUIPMENT FARM EQUIPMENT FARM EQUIPMENT FARM EQUIPMENT FARM EQUIPMENT FARM EQUIPMENT

NEW EQUIPMENT
JD 2240 Dsl. w/FWhD
JD 2940 Dsl. w/FWhD
JD 2440
JD 4240
JD 1440 Planter w/80 units $4500
JD 2420 SP Windrower $23,475
JD 534 Dozer Blade $2635
JD 3960 Harvester $9955
JD F950 12' Roller Harrow $3950
JD 567 Wheel Rake $1275
JD 450 Spreader $5645
USED EQUIPMENT
JD 3R 30" Corn Head $2895
JD 1R Corn head $650
Hesston PT10 Mower Conditioner $1695
NI 325 picker w/super sheller $5995
JD 344 3R 40" Corn Head $2495
Woods MC80 mower $895
JD 38 & 3800 Harvesters
JD 4B F125 Plow
JD 5B 1450 Plow
JD AW 9'10" Disk
JD 494 4R Plate Planter
IH 4R #56 Corn Planter $1450
IH 400 4R Air Planter $1895
IH 6R Air Planter w/dry fert.
Farmhand Loader to fit JD 1010 & 2010
JD 216 Fg. Box w/1075 gear
JD 350 Rake 3 pt. hitch
JD 4630 Tractor w/Duals
JD 4430 Dsl. Tractor
JD 4020 Dsl. Tractor
JD 2630 Tractor
JD 2440 Tractor

WENGER IMPLEMENT, INC.
The Buck, PA
717-284-4141

USED EQUIPMENT

1 - TR 70 New Holland self-propelled Combine S/N 290457 with #962-W4 Corn Head

CASH $33,500 or **LEASE** $775 mo. 5 yrs.

1 - 2090 Case Tractor w/tandem rear wheels & cab

CASH $25,000 or **LEASE** $495 mo. 5 yrs.

1981 Same Tractor, Model Jaguar 95, 4 wheel drive

CASH $20,500 or **LEASE** $461 mo. 5 yrs.

LIKE NEW
1480 I.H. S.P. Combine with 863 I.H. 6 Narrow Row Corn Head with 820 I.H. 15' Flex Grain Head Mud Drive Unit

CASH $80,000 or **LEASE** $1350 mo. 7 yrs. $1800 mo. 5 yrs.

THIS UNIT IS LIKE NEW. IT HAS BEEN USED FOR ONLY 110 Hrs. It's Approximate Value is $120,000

FMC FINANCE CORPORATION
Lansdale, Penna. 19446
PH: (215) 368-6700 Ask for Ken

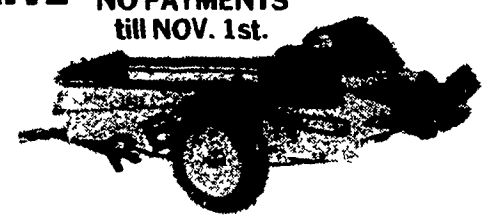
WAIVER OF FINANCE ON USED TRACTORS TILL DEC. 31, 1982

AUGUST SPECIALS — NEW & USED EQUIPMENT

- Used Case 1170 Tractor, Cab, 8 Speed 120 H.P. $12,500
- Used Case 1370 Tractor, Cab, Air, Heat, Power Shift $17,000
- Used '79 Case 1845 G Uniloader, 12x16.5 Tires, New Bucket, 1200 Hours $11,000
- New Bush Hog 10 ft. Offset Disc $5,400
- New Bush Hog 12 ft. Offset Disc $6,300
- New Case 12 ft. Chisel Plow $1,800
- New Case 1816B Uniloader $5,900

206 GROUND DRIVE SPREADERS IN STOCK

NO INTEREST NO PAYMENTS till NOV. 1st.



TRACTORS
Case 1170 Cab
Case 1070 D
Case 1370 C-A-H
IH 660 D
AC 7080 C-A-H
DB 1200 D
JD 430
IH 424G
'79 Case 1210 p.s.
Farmall H
IH 606 TA

NEW IDEA
206 Spreaders
325/314 Picker Sheller

LOADERS
1530 Uniloader
Uniloader Broom
1845 D
1845 G
Case 580 C Diesel

USED EQUIPMENT

UNI-SYSTEM
701 Power Unit
702G w/combine
767 harvester
762 row crop
730 4RW Head

FORAGE
J.D. 65 blower
N.H. 1880 SP
J.D. 216 forage box
J.D. 125 forage box
Stauffer forage box
J.D. 15A Flail Chopper

MISCELLANEOUS
Ford 101 plow
Hesston PT 10
NH Lime Drill
Case 12' Disc Harrow
Wetmore 878 grinder mixer
J.D. 480 Mower conditioner
Case 555 Mower Conditioner
N.H. 352 Grinder Mixer
N.H. 371 Flail Spreader
Case Auger Elevator
MF 880 6, 7 btm. plow
Automatic 900 roller mill on N.H. 26 blower

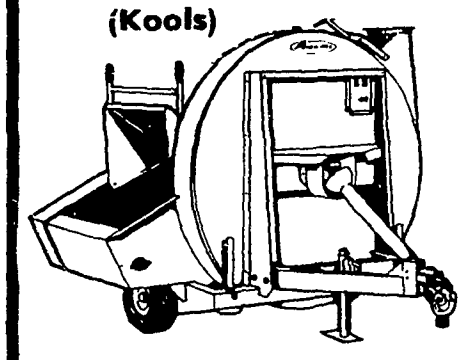
A.L. HERR & BRO.

PARK AVE., QUARRYVILLE, PA 17566 PHONE: 717-786-3521

case NEW IDEA GEHL BUSH-HOG

Summer Special...

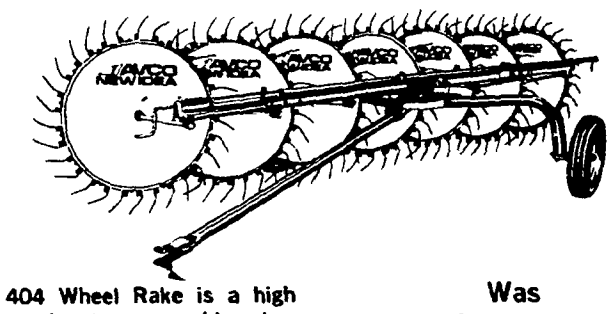
NEW IDEA MODEL 621 FORAGE BLOWER (Kools)



New Idea's 621 Forage Blower is a rugged, high capacity model for better performance than ever before. It features a husky 57" fan for medium to large operations. Comes with a standard adjustable tongue that makes tractor hook-up fast and simple...

SUMMER SPECIAL $1,700

NEW IDEA MODEL 404 SPEED WHEEL RAKE



The 404 Wheel Rake is a high quality rake at a reasonable price. Rakes fast and clean in any field... smooth, uneven, contoured or hilly. Plus, it costs less to buy and less to maintain.

Was ~~$1,150~~

TRUCKLOAD SPECIAL $1050

ZIMMERMAN'S FARM SERVICE
Bethel, PA
Phone 717-933-4114

AVCO® NEW IDEA

SUMMER SIZZLER SALE

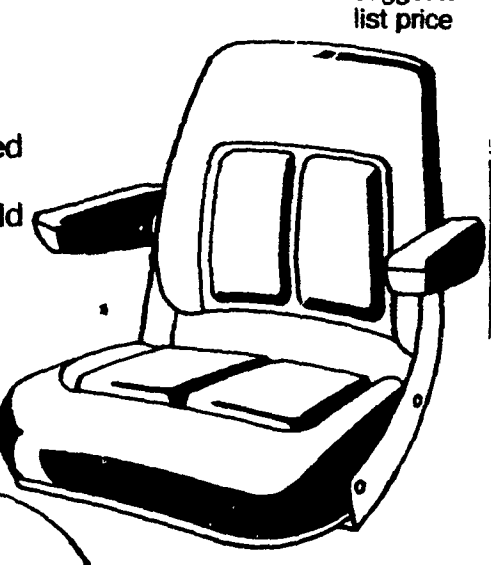
PARTS VALUE OF THE MONTH

SAVE UP TO 30% off

Regular IH suggested list price

Take a comfortable seat or seat cushion to the field with you this harvest season and save up to 30% off regular IH suggested list prices.

- Seats are scientifically engineered to fit body contours.
- Seats fit IH and other tractors, old and new models.
- Seat cushions reverse for long wear and year around comfort.
- Cushions have polyurethane filling and extra heavy tie cords.



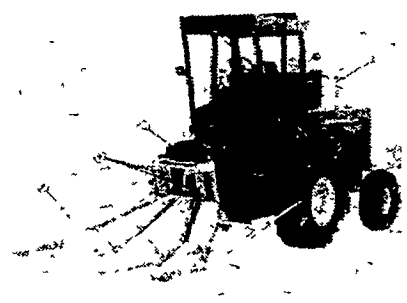
Reversible bucket-type seat cushion

See Hen For Special Price!

PARTS MART

ERB & HENRY EQUIP., INC.

New Berlinville, PA. 19545
PH: (215) 367-2169



JD 5460 S.P., 113 hrs.

Fox G1000 S.P. w/V6-71 engine w/3 row N. head & pickup head

USED FORAGE HARVESTERS

JD 5460 S.P., 113 hrs.
JD 3 row N. head, NEW
JD 3 row W. head
JD 7' pickup head
JD 3940 harvester w/2 row N. head & pickup head
Fox G1000 S.P. w/V6-71 engine w/3 row N. head & pickup head
JD 38 harvester
JD 35 harvester
JD 3800 harvester
JD 1 row head
JD 2 row N. head
JD 2 row W. head
JD 5½' pickup head
JD 66 blower

JOHN DEERE

ADAMSTOWN EQUIP., INC.
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FORRESTER FARMS

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¼ Mile East of Exit 6 I-81

LONG

New Long SOLD eling ir rigation unit 1553
New 610 DT $11,164
New Long 510 $7,465
New Long 460 $7,018
New Long 310 $5,787
2 Long 560
IH 1066 w/cab
IH 656 Hydro
IH 340 industrial w/loader
IH Lowboy w/mower
Farmall M w/PS $1,400
JD 4230 w/cab
2 JD 4020 one w/cab
1 JD 3130
2 JD 3120 one w/cab
JD 3020
2 JD 2130 1 w/cab
1 JD 2120
JD 2030 w/cab
MF 175
Ford TW 10 w/canopy
Ford 9000
Ford 8600 w/dual power
Ford 7000 w/dual power
1 Ford 6600 w/dual power
Ford 6600 demo $14,500
New Ford 6610 $14,900
Ford 5600 w/dual power
3 Ford 5000, one w/dual power
Ford 4500 backhoe
Ford 4000 w/loader
3 Ford 3000
Super Dexta
Ford 860
Ford 841 w/PS
Ford 641 diesel
Ford 772 A loader
Roadless 95 4 wh drive 90 HP
Souders loader

CHECK PRICES ON LONG SUMMER SHOWDOWN SALE

USED FARM EQUIPMENT

JD 4430 Tractor
JD L Tractor w/plow & cultivators
JD 1450 4x16 semi-mtd. plow
JD 1450 5x16 semi-mtd. plow
MM 32 blade transport disk harrow
JD 350 3 pt. sickle bar mower $895
JD hay conditioner
JD 38 harvester w/2 row N. head & hay pickup
MF 110 PTO manure spreader
White 5400 6 row N. no-till planter
Lely 3 pt. spin spreader
Brillion 11 ft. cultipacker
Danuser post hole digger
NH 273 baler w/thrower
JD 210 Cornhead
JD 205 Cornhead
Sunmaster Center mtd. 6' rotary Cutter for Farmall C
JD 6600 sidehill combine w/13 ft. grain head & 4 RW corn head $37,995
JD 7700 combine w/4 row wide corn head & 13 ft. grain head $13,500 as is.
Haban sickle bar mower for JD 300 L&G tractor $450.00

NEW FARM EQUIPMENT SPECIALS

	L.P.	S.P.
JD 660 Rake	$2669.00	2395.00
JD 327 Baler w/ejector	9908.00	8325.00
JD 410 Round Baler	9576.00	7995.00
JD 3940 Harvester, 2 Row Head	13,746.00	12,100.00
JD 3960 Harvester, 3 Row Head	20,631.00	17,900.00
7 ft Hay Pickup	3377.00	2995.00
JD 1008 10 ft. Rotary Cutter	4705.00	4150.00

PACE

VISA

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John Deere Sales & Service
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Phone - 717-428-1953

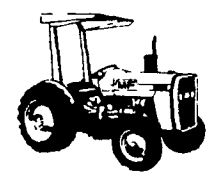
"Five years ago, when we chose the diesel engines to power our 750-acre irrigation system, fuel economy was what we were looking for and we looked at a lot of engines. The Deutz diesel was by far the best on that score. Other Deutz users told us they had cut their fuel bill by about 25 percent—we've done better than that. They also said the separate air-cooled cylinders on a Deutz are very easy to service. I couldn't tell you about that—we've never had to repair one."—**Bill Bontrager, Operations Manager Estrella River Properties, Ltd., Paso Robles, Ca.**

Deutz engines consume less fuel simply because their advanced design makes them more efficient They run at higher head temperatures and make better use of the fuel. They are more dependable, longer-running because of their solid quality and superior cooling system. About half the causes of downtime in liquid-cooled engines are attributable to breakdowns in the cooling system In air-cooled Deutz diesels, there can be no freeze-ups or boil-overs; no broken water hoses; no water-pump failures, no cavitation, none of the problems liquid-cooled engines are heir to

Throughout the world, wherever the going is toughest, Deutz air-cooled diesels are going strong.

DEUTZ®
AIR-COOLED DIESEL ENGINES
3 to 500 HP
Distributed in this area by:

Stauffer Diesel Inc.
312 W. Main St. New Holland, PA
Ph: 717-354-4181
Retail, Wholesale & O.E.M. Sales



MF Massey Ferguson

TRACTORS & EQUIPMENT

IH Farmall Super H Tractor
IH Cub Tractor w/Attach.
Ford Loader for Ford 2000
JD 336 Baler w/Ejector
IH 460 Tractor w/Loader
IHC 340 Farmall Tractor
AC D17 Dsl. Tractor
Ford 8N Tractor w/Loader
MF 165 Diesel w/Loader
MF 50A Tractor, Loader, Backhoe
MF 3165 Tractor w/Loader & Cab
MF 40 Dsl. Tractor and Loader
Loader for 65 or 165 Tractor
Gehl 120 Grinder Mixer
NH 467 Haybine
NH 478 Haybine
NH 892 Fg. Harvester
Fox 1000 Forage Harvester
NH 36 Crop Chopper
IH 440 Baler
NH 270 Baler w/thrower
NH 269 Baler w/thrower
NH 1010 Bale Wagon
NH 510 Manure Spreader
NI 213 Manure Spreader
AC 516 Plow
NH 451 Mower
NH 462 Disc Mower
NH #8 Crop Carrier
NH #30 Blower
IH Rake

NEW M.F. EQUIPMENT

MF 520 disc harrow
MF 230 Tractor
MF 275 Tractor
MF 285 Tractor
MF 245 Tractor
MF 265 Tractor
MF 210-4 Tractor
MF 205 Diesel Tractor
MF 50C w/Loader
MF 50C w/Loader
MF 40B w/Cab
MF 40B w/Cab
MF 30B w/Cab
MF 20 Turf Tractor
MF 124 Baler
MF 236 Loader
MF 34A Loader
MF 34A Loader
MF 32 A Loader
(2) MF 216 Loader
MF 300A Loader
MF 640 Corn Planter
MF 345 Plow
MF #43 2B Plow
MF 820 Disc Harrow
(2) MF 320 Disc Harrows
MF 226 Scraper Blade
MF 227 Scraper Blade
MF 218 Rotary Cutter
MF 124 Baler w/Thrower
MF 218 3 pt. Rotary Cutter

S.G. LEWIS & SON, INC.
R.D. 2 Box 66 West Grove, PA
215-869-2214

FARM EQUIPMENT FARM EQUIPMENT FARM EQUIPMENT

FOR SALE

1 - Used 10' Fox directcut head Serial # 367-10-1117
Very Good Condition - $1,500.00

1 - Used Fox 3 Row 30" Snapper Head Model 378
Serial # 1088 - Excellent Condition - $3950.00

1 - Used New Holland Crop Driven Portable Type
3 HP Electric Motor - Oil Fired Burner
Good Condition - $850.00

Call (301) 791-0852

"QUALITY LATE MODEL FARM EQUIPMENT"
COMBINES

1977 MF 510 Dsl. Hydro, cab and air, excell., choice of heads
1978 Gleaner KKS2 w/Cab, 13' Grain Platform, Very Nice
1977 JD 4400 Dsl. w/cab & air 400 hrs. like new
1976 JD 4400 Dsl. w/cab, 1000 hrs., like new
1974 JD 4400 Dsl.,(SOLD)\ir, Choice of Heads
1975 JD 6600 Dsl., Cab, AC, Very Good, Choice of Heads
1975 JD 3300 Dsl., Cab, Air, Very Good, Choice of Platforms
1981 JD 4420 Dsl. w/cab & air, like new
1978 MF 760 Dsl. hydro, loaded, very nice
1976 JD 3300 Dsl., cab and air, very good, choice of heads
1973 JD 4400 Dsl., c(SOLD)ce of heads
1973 JD 4400 Gas, AC cab, choice of heads
MF 300 w/(SOLD) ice of heads, very good
MF 35 w/8 ft. platform, Sharp.
JD 55 Square Back w/Cab, 12' Platform & PU reel
MH 80 w/12' Grain Table $950
IH 82 Pull Type w/ PU Reel

GOOD SELECTION OF GRAIN PLATFORMS AND CORN HEADS TO FIT MOST COMBINES

TRACTORS

AC 180D, WFE
AC 200 Dsl. WF & Cab
AC 220 Dsl. WF & Cab
AC 7000 Diesel w/Cab & Air
AC 7060D Cab, Air, 1550 Hrs.
JD 4430 Dsl. Cab & Air Quad Shift 1976 Model Very Nice
JD 4230 Dsl. Cab & Air Power Shift
JD 4020 Dsl. WF w/RG Cab
JD 2520 Dsl. WFE
JD 3010 Dsl. Very Nice
JD 3010 Gas (SOLD) o
JD 2020 Dsl.
IH 1466 Dsl. WF
IH 1456 Dsl. WF & Cab
IH 1066, AC & Cab
IH 84 Hydro Dsl., 230 hrs., w/2250 loader, like new
IH 460 Tricycle Good Rubber
IH 450 (SOLD)
Oliver 2255, Cab, Cat. Dsl.
Oliver 1850 Dsl. WF

FORAGE HARVESTERS

NH 770, 2 RN C.H. and PU
NH 890
Hay Pickups to fit NH 717, 770, 818, 880, 890, 892
JD 2RN Row Crop for 35, 38, & 3800

BALER TWINE
9,000 ft.
$21.00 Per Bale

CORN HEADS

MF 24, 43
AC F430, G430, C#430
AC KF330
JD 243, 244, 343, 443, 444, 643
IHC 843

BALERS

JD 346 Twine w/Thrower
NH 320 w/Thrower, Very Nice
NH 275 w/Thrower, Very Nice
NH 278 w/Thrower, Like New
IH 2400 Round Baler, Like New

DISCS

JD 11'2" & 14' AW Disc
JD BWA 11'2" & 12'6"
JD 18' BW Wing Fold
Case 56 Bla(SOLD)ng wing, dual wheels, like new
Sunflower 17' Hyd. center fold, very good
JD 11' RWA Transport

HEAVY DUTY DISCS

Athens Rhino 11' Flex like new
IHC 760 12' Offset, excellent
IH 500 12', very good cond.

JULY SPECIAL
NH 488 Haybine
(NEW)
$5,450.00

MISCELLANEOUS EQUIPMENT

IH 234 Sweet Corn Picker
Straw Choppers for JD 3300 and 4400 Combines
NH 479 Haybines
IH 810 15' Grain Platform Pickup Reel
Hesston 1010 Hydro Swing Mower Conditioner.
Artsway 320 Grinder-Mixer
NH 6 Ton Wagon Gears w/Adj. Hitch $575
JD 148 Loader, Indep. Control Valves
JD 146 Loader, Indep. Control Valves
JD 894 Rake, Rubber Mtd. Teeth
20' Speed King Wheel Harrow
IH 18.38 Rr. Axle Duals
JD 300 Picker, exc. 2 or 3R Heads Avail.
NI Wide or Narrow 2R Corn Pickers
NI 324 2 Row Wide Picker w/Super Sheller, Like New
JD 13' Mulch Tiller, chisel plow, very nice
JD late model 21 double disc grain drill w/grass and attach.
JD running gear w/hoi(SOLD) body

GUNTHER HEUSSMAN INC.
So. 5th St., Emmaus, Pa. 18049 215-965-5203

(Combines, Tractors and Equipment on our Lot.

(Combines) Used 1980 JD 6620 Side Hill Hydro fully eq. real nice, 76 JD 4400 Dsl. looks like new in field cutting grain, 1975 JD 4400D very nice and field ready. 1978 Int. 715 Dsl. w/air, German dsl., 23" tires very nice, 1975 (SOLD) JD 7700 turbo hydro. JD 8820 fully eq. w/4 whl drive and dual wheels used 1½ seasons like new, New JD 4420 fully equipt. 443 C.H. 1976 JD 6600 D, INT. 1440 axiel flow w/4 wheel drive, used 480 hrs., 1976 Gleaner FD w/air and both heads (1 local owner); 1976 Gleaner K cab, air, w/grain, real nice, JD 6600 Side Hill turbo, hydro, floating cutter bar, real nice, for $36,500.00, 1976 Int. 915 w/Choice of heads, 1979 MF 550D, excel. w/grain and corn heads. 1975 MF 510 hydra. w/grain and corn. 1973 Int. 915 gas w/grain head. MF 510D Hydrostatic w/mud hog rear wheel drive w/choice of head 1968 Gleaner CII diesel w/cab and 4 row C.H., JD 7700 D w/grain & corn head for $24,500, JD 6600 D w/air & 13 Ft. grain.

1969 JD 55 sq. back corn special w/cab and 2 heads; Int 715 gas w/cab, 810 grain and 844 C.H., Int. 810-15 ft. floating cutter bar.

New JD 213 flex, used JD 213 and 215 flex heads.

MH Super 26 SI w/10' head, 1 owner, field ready.

1978 MF 760 V8 Hydro w/2 heads; Late model Int. 303 w/cab, N.H. 985 w/cab and grain and 4 row 38" C.H. MF 550 D w/13 ft. grain, 1972 Gleaner F w/grain & C.H. N.I. 702 D uni w/cab $9000; NI 702D Uni w/cab $6500.

N.I. 702 D w/husking bed and 3 row C.H., NI 702 w/729 A sheller.

TRACTORS & EQUIP. Farmall 1566 w/cab and duals, Used White 2-105 w/roll guard, Ford 4000D w/1400 hrs. excl., N.H. 1010 Bale Stack Wagon

New John Deeres 4040 w/Power Shift and R.G. for $23,950, New JD 4240 cab & air Q.R. for $30,000, Farmall 1256 w/cab & air, (4) real nice balers, Int. 445 baler w/thrower like new NH 320 w/thrower, used 1 season. JD 346 wire w/thrower; JD 24T w/#30 kicker, Hawk Built round baler.

Corn Heads JD 643, 444, 343, 443, 843, 435N, 313 for 45C, 334, 235, Massey Ferguson 44, 63, 43, 1144, 24, 222, 422, Gleaner L438, F430, 421, F438, A430, K238, F335, F330, K330, Int. 863, 844, 843, 743, 227, NI-4 row 40" heads, Case 4 row 40", MF 44 & 43 Lo Profile, Int. 6 row, 30" for 503, NH 4 row 38" C.H. New JD 444 $7350, New JD 643, used White 706N C.H. used JD 444.

New Int. 5088 fully eq. new Farmall 1586 w/radial tires and triple outlet for $29,500, Farmall 1066 w/cab & air, very nice, Farmall 706 gas, 806 diesel w/cab original-Nice. 1206 real nice, 766D w/38" tires and 3 pt., new JD 4440 C.A. Quad w/radial tires, used JD 4230 w/R.G. and creeper gear, 2640, 2630, 1966-4020, 1966-3020, 3020D WF and Diff lock. We have JD 4020 side console diesels. MF 175D w/Loader, JD 2440 w/R.G. 2840 for $12,000, 1970 JD 5020, 4010D WF w/dual hydraulic, Ford TW20 w/cab w/220 hrs., damaged, give us an offer.

TRACTORS 1977 JD 4230 cab, air, quad, real nice. JD 5020 original w/dual wheels; 4020 WF power shift w/new tires, JD 300 loader and backhoe, JD 6030 C.A. Duals, real sharp; JD 6030 cab and duals, fair; JD 4320. Farmall used 986 cab and air, 1566 cab and air w/new T.A., Farmall 544 gas W.F. Farmall 706D WF & 3 pt.; NI 324 picker w/super sheller used 80 acres.

Just Purchased Equip. Int. 3588 - 2 + 2 w/dual wheels, used 530 hrs. like new for $29,500; JD 4020 W.F. power shift, good tires $7700; Case 1070 P.S. $6975; JD 4020D. W.F. D.L. Dual hydraulic, cab and dual wheels-nice. JD 4010 D. W.F. JD 4010 Tri D, Farmall 460D F.H. NH 890 Harvester w/2 heads, (Summer Specials) New JD 4440 Sound guard body QR $34,800. New JD 2940 at old price, New Case 2090 cab, air, P.S. $23,000. JD 4020 gas, p. shift, Deutz 9006, JD 60 w/cult. $1475; Farmall MTA $1075. Super H-985. Haybines Used N.H. 489 real nice $4975. NH 469 $1495. Hay Rakes JD 896 for $585, Super M new paint $1400. Farmall 1086 cab needs repair come look and make offer.

CULTIVATORS - New Case 3 pt. 8 row Hydro fold. JD 4 row rear $495, JD 6 row rear $695, JD 215 13'9" disk used 2 days, JD 8300 18x7 XX Disc w/grass seed drill, like new; Int. 56 blower $395; New Int. 2250 loader

CORN PICKERS - (new) N.I. 324 w/12 roll bed; NEW New Idea 325 w/12 roll bed, Used (4) N.I. 324 w/12 roll bed, (1) NI 325 N w/12 roll bed (325 N. w/sheller), NI 3 row 30" picker w/super sheller, New Idea shellers and Super shellers, N.I. 2 row 30" picker w/grinder. NI 323 one row, Int. 234 w/12 roll bed. JD 3800 2 row chopper

J.D. 7520 w/3 pt. & Dual Wheels. JD 4020 w/58 Loader, JD 4430 w/sound guard, cab and Q.R. for $15,500.00, JD 4320 w/cab, 1970 JD 4020 Power Shift & Dual Hyd., 1520 w/Hi Lo.

Farmall - 1568 - V8 w/cab & air used 1000 hrs., 1566 w/cab, 1466 w/cab. 886 w/cab, 800 hrs., like new. 706 Gas, 856D nice, Steiger Bearcat 4 whl. drive w/dual wheels and new motor in excell. cond.; Farmall 460 Gas w/F.H., Farmall 756 gas, 560D., Hi Crop 656 diesel, 756, Cub Cadets 1650, 1450, 1200, JD 210, 200, 112.

HARVESTERS. New JD 3940 w/2 row C.H. new Int. 720 w/2 row, for 7475.00. JD 38 w/2 row pickup N.H. 770 w/2 row, Used Int. 720 - 2 row, for $4650. J.D. 38 Chopper w/2 row, Fox 2 row 30", Fox 2 row snapper head. Grove Forage Wagon w/roof, NH 770 1 row snapper C.H. Gehl 600 w/2" 30" & pickup head.

ALLIS CHALMERS 185 w/R.G. w/600 hrs., 7080 w/cab & duals $18,800, 7040 w/cab, power shift like new, low hrs., 210 w/new 20.8x38 tires, AC H3 Crawler w/blade and winch, AC 185D.

JOHN DEERE New JD 4440 cab, air, power shift, $35,900. New JD 4440 cab, air Quad, used JD 4430 - 4 post, power shift, used 4230 cab, air, QR, nice, 1975 - 4430 C.A. QR. sharp. 4030, 5020 tractor puller, JD 2020 w/loader, JD 3020 P.S. Gas JD 4030 w/R.G. and Quad. JD 60 w/P.S. and JD 70, JD 630 w/3 pt., JD. A. JD 70 w/P.S.

FARMALLS: 1586 w/cab, w/800 hrs., fully equip. w/dual wheels and dual PTO real nice, used 1086 w/cab, air, 1 owner-looks like new; used 686 Dsl. w/1600 hrs. 1086 w/Rops, 966 black stripe w/roll guard, 1066 red cab & air, Used 686 w/cab & air, 1206 w/cab, 806 w/3 pt. & 38" wheels, Farmall 656 Diesel & 656 gas, Farmall hydro 70 w/w.f. and 3 pt., 826 hydro D nice. 756 WF 3 pt. original, 656 Hydro D. WF 3 pt. original, M, 400 w/P.S. & F.H., Super M, M w/power steering, live hydraulics and loader,

New White 2-105 w/cab $22,850. 2255 w/V-8 cat and new over and under shift.

MASSEY FERGUSON - 2805 w/24 spd. duals 700 hrs. (SOLD) real nice. MF 1105 cub, very nice, used 1080 w/duals, 1130, MF 180D.

(Case) New 2090 Cab & Air, power shift $23,950; 1070 P.S. original for $7450 Case 1410D.

Case 4890 4 whl. drive used 400 hrs. like new fully eq.

Case 1370 - P.S., Oliver 1950T w/cab, 2050, 1855 w/20:8 tires 1800, 1850 w/cab, Ford 8600 w/Dual Power used 1800 hrs., 6000 Commander, D, Ford 3000 w/loader, MM Vista 1000 w/cab and loader, MM S670 diesel.

1970 JD 4020 side console w/dual hydraulic (local owner) JD 2510 gas w/48 loader, JD 4520 w/cab, Long 350D w/mtd. broom; Int. 460 utility w/loader, 1972 JD 4020 w/factory cab original, JD 700 gr. mixer, Woods 4 row stalk shredder.

N.I. 702 Uni tractors w/combines & 729 A and 729 Uni shellers w-3 & 4 row 30" and 40" heads. Used JD 13 to 15 ft. grain heads, JD 216 flex heads

IND. EQUIPMENT - Int. 510 4 whl. drive payloader used 500 hrs. like new. Cat 955 & Cat 933 crawler loader, Case 850 D dozer w/hydrl. blade, Skid Loaders - Bobcat Hydro 720, 700. Ford CL40 Skid Loader.

PLANTERS Used JD 6 row Conservation, fully eq. real nice. New 7000 JD 4 row w/Inst., fert. & monitor $6950, used JD 7000 six row w/fert. till, plateless, inst. w/minimum till & monitor, (new) White 5100 4 row planter w/monitor for 6850, Bearcat 950 Grinder Mixer used twice, like new. Int. 1250 Gr. Mixer w/elect. scales-nice, N.I. 325 picker w/sheller. Used Case 13 ft. Disc w/new blades and dual wheels. (New Haybines,) Gehl 1090 9 ft. for $4800; New N.I. 299 for $4200. (used haybines), MC 7' rotary scythe, NH 469, 467. New Gehl 1600 round baler list price $10,500.00 Our Price $7450.

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Glenco 12 ft. 9" Soil Finisher like new.

Hay Equip. New Kuhn Hay tedders, (New) NH 90 round bale handler, (SOLD) used balers, Oliver 620 w/thrower, real nice, MF 12 Bale.

Blowers - Gehl 99, NH 27, Mechanics Special JD 4020 gas, power shift $3950.00.

Planters Oliver Planter 6 row w/no til fert. fill, inst. and monitor, (Grain Dills), Used M.F. 43 drill, real clean, NH pick-up heads for 770, 717, (2 offset Disks) Wilbeck 12' offset like new, JD Disks #210. Int. #480-22 ft. Wing Disk, Badger 1500 gal. liquid tank spreader, New Westfield 30 to 60 ft. grain augers.

PLOWS - Int. #720 5x18 reset like new, Int. 6X spring reset, Ford 5x18 spring reset. Ford 3x18 sp. reset, JD 2500 6x sp. reset, JD 5x hyd. White 4X spring reset, 3 rollover plows - Int. #140 - 4x18, JD 4x16, Oliver 4x16 rollover, New Brillion 21' hyd. fold packer, Used Brillion 15 ft. cultimulchers, Used Brillion 10 ft. chisel plow, new Int. #80 snow blower; New Johnson loader.

Flail chopper, Gehl 72, JD 15A.

Int. 400 4 row air planter $975; Brady 3 pt. 10 ft. chisel plow.

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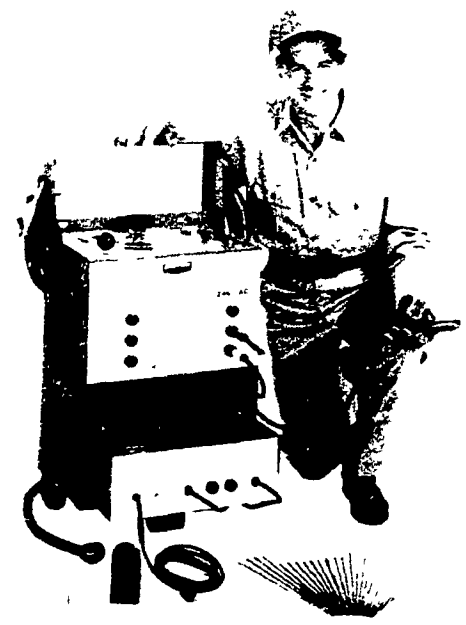

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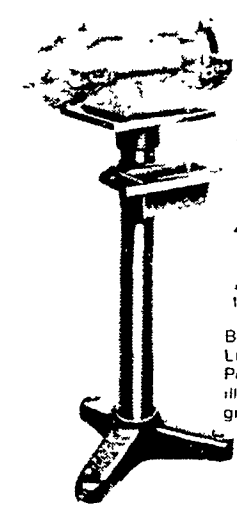

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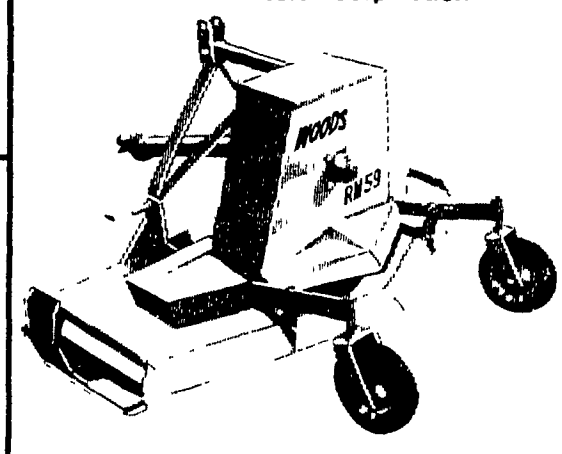

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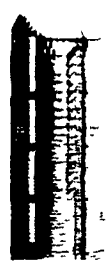

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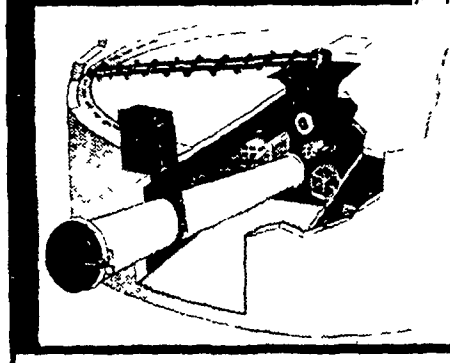

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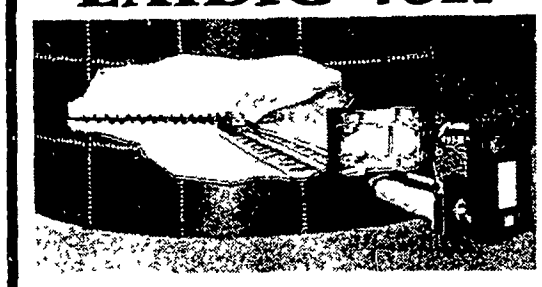

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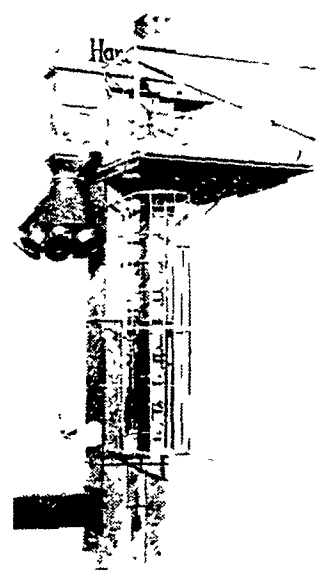

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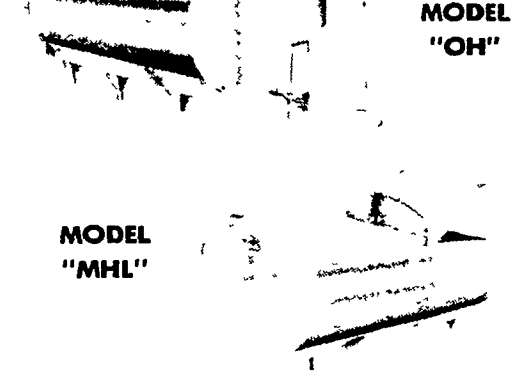

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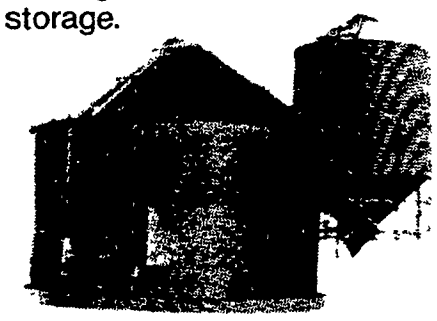

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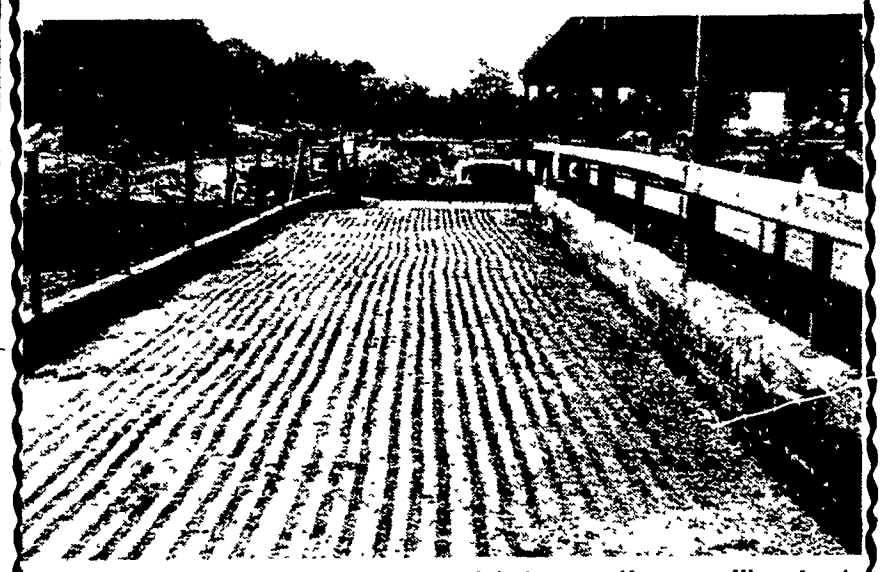

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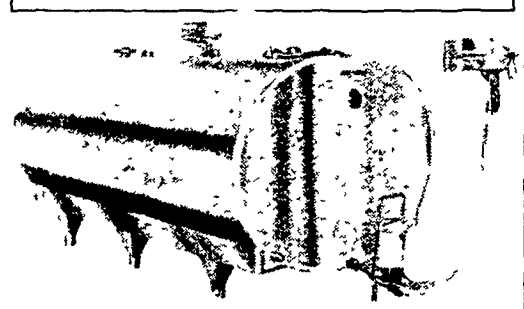

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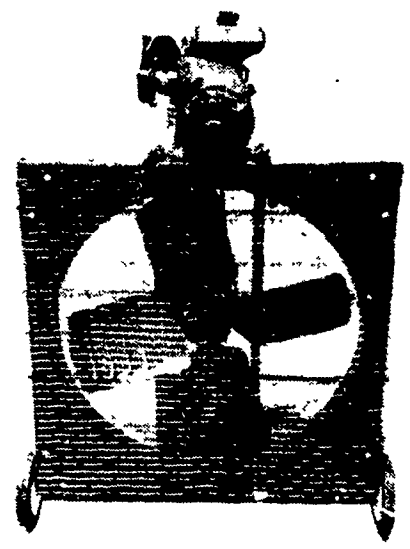

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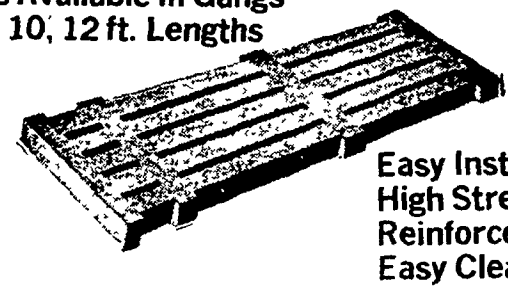

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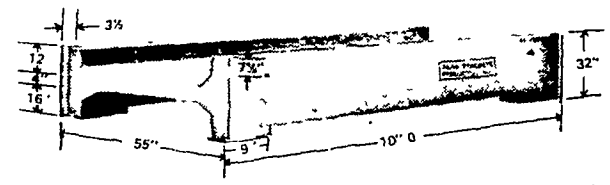

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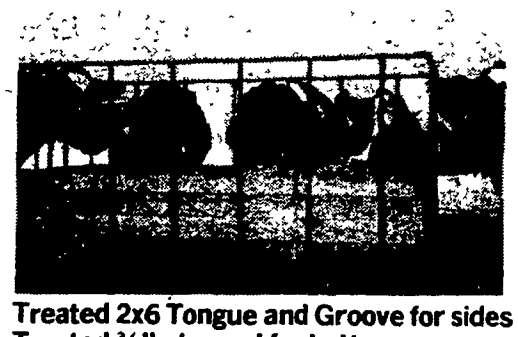

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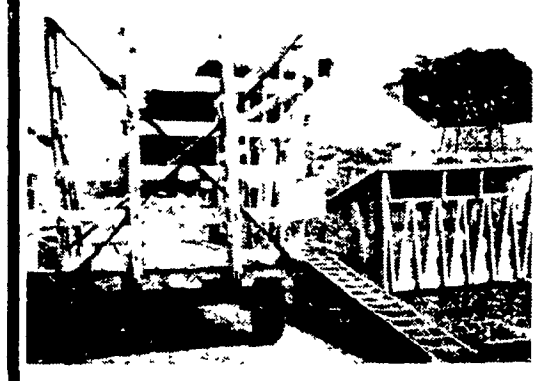

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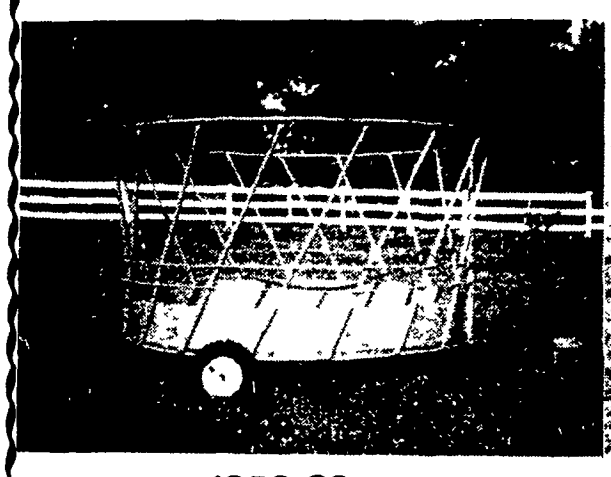

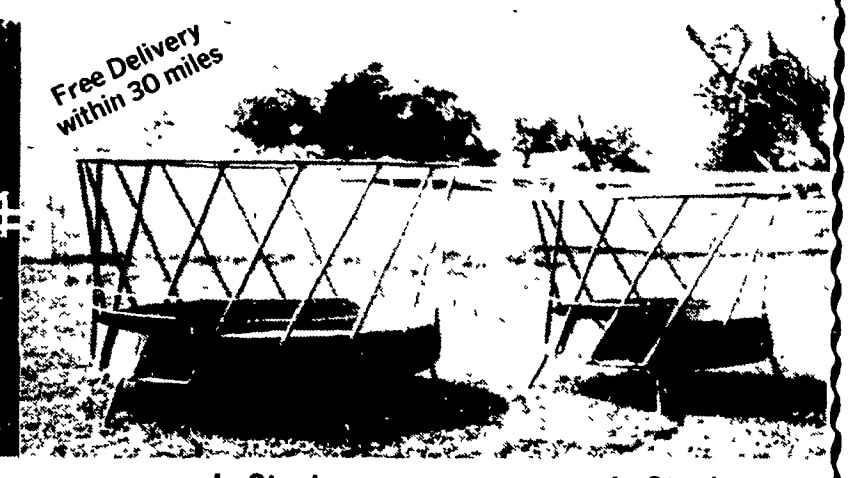

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Simmental Percentage & Purebred bulls, cows, heifers & club calves by leading AI sires. Performance tested. Edward Pierce, R.D. 2, Neshanic Station, NJ 201-369-4039

Service age registered Holstein bulls by Pete, Star, Astronaut, Glendale, Chief and others. Dams classified ver, good with records over 29,000 lbs milk and 1195 lbs. milk fat. Stumpland Farm. 215-488-1965

CATTLE

For Sale - 4 reg. Holstein heifers, three close springers 215-295-5319

Beef Cattle Operation Atlantic City Area, 20 gentle Santa Gertrudis cross cows w/calves - NI big round bale hay making equipment - SAME 4WD tractors - NH 355 grinder - 775 diesel skid loader - Bush Hog disc plow - Shaver hyd post driver - NI 9' snowblower - Concrete feed troughs, cattle guards - rugged stock trailer - Dump Chief Silage wagon - storage containers 8x8x20' - 200 bales hay average 1200 lb., all equipment like new condition, 609-927-4564.

For Sale - Quality Charolais-Hereford breeding bull. 1200 lbs. 717-567-3355.

For Sale - Four Polled Hereford heifers, out of registered stock, bred to Graystone Engraver, champion son of Enforcer 107H. One open heifer w/A1 certificate if desired. Avg age 16 mo. avg. wt. 890 lb. Also one registered Polled Hereford sire 7 yr. old, new trend blood line, very gently. Lu Rose Estates, Inc. Farm Division. Ph. 301-739-2440

Notice - Have your order in August to have your heifers put on feed for $25 a month, starting Oct. 1. Jacob J. Hershberger, Woodward, PA 16882

20 lb. Holstein heifers, due Aug. and Sept., mostly vaccinated, some registered 814-695-3418 Blair Co.

Jersey bull born 4/24/82 son of Blanton Tristram Generator. Adams Co. 717-334-7060 evenings.

Small herd of young Holstein cows, good producers. 717-229-2055 best time to call around noon.

One Holstein heifer due November, 4 Holstein heifers, open, 700-800 lbs. 717-786-1746

Herd of reg. Holstein cows, lg. cows, good production. 301-578-1224

Registered Polled Hereford heifers, bulls. Clean modern stock Visitors welcome Laurel Ridge Farms. 717-689-2158

For Sale - Fresh cow scored VG sired by Chambric Happy Brett 18,000M as a 3 year old Also 2 bred heifers sired by Persuador from GP Dams due about 4 wks. One bred to Sexation. Average price $2000. Dunwood Farms, Oxford, Pa 717-529-2950

Wanted to export-open and springing Holstein heifers, reg and grade, cash paid immediately. 301-578-9868

Angus bull, 10 months old, growthy and tall, would be ready for service soon, out of Registered stock, certified and accredited herd 717-467-2746

For Sale - Ten pure bred black Angus cows w/calves, some rebred, your choice Berks Co. Yellow House, 215-689-9168

40 reg. Holstein cows and bred heifers - 32 cows, 8 bred heifers. DHIA rolling herd avg 15,487-4.0-612. Highest cow 21,000-1,000. Service sires Jemini and Elevate, calfhood vacc Glenn Johnson, Rockwood, PA 814-926-3669

CATTLE

For Sale - Dairy of 17 Registered Holstein cows. Top Sire Power bulls represented. Bradford Co. 717-265-8280

Registered Polled Hereford cow w/calf $800. 301-343-1010 call evenings.

7 reg. Holstein heifers and cows, milking well, reason for selling-overflowing milk tank. York Co. 717-862-3741

Grade Brown Swiss bull, year old, dam over 500 fat, York County. 717-456-7158

For Sale - Registered Holsteins heifers, due in August to October, good record dams, bred to A.I. bulls. 215-932-9762

For Sale - Registered Holstein heifers, 16 due August to January. Atlantic Sires, DHIA and classified. 412-668-2843 Westmoreland County.

10 reg. Holstein heifers due Aug.-Oct., bred AI. IH 1850 hi-lift loader. 814-472-9660 after 8 p.m.

2 Jersey bulls, one 11 mo. old, one 9 mo. old. 717-548-2615.

For Sale - 7 bred Holstein heifers, due this fall, $750 ea. 717-865-3488

Eleven Holstein heifers, 11 to 15 months, vaccinated and dehorned, 6 breeding size, used to being handled. 717-553-2731

For Sale - Buffalo, Pure American Bison, calves and mature buffaloes. Call 215-267-2553 Lancaster Co.

Wanted - 3-800 lb. open vaccinated Holstein heifers. 717-786-6668

Registered Holstein herd for sale - 48 cows and 40 heifers, all ages. Top A.I. bulls used on herd for several years. 301-733-7281

Small herd of Holstein cows, Registered and Grade on DHIA test, A.I breeding. Replacement heifers also available. Carroll County, MD. 301-239-8368

50 head of Holstein heifers 6 months to 1 year old, good quality, all calfhood vaccinated and dehorned. 717-397-5538

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6 heifers, 3 fresh, 3 springers, can deliver. Case Hatchery, Brodbecks, PA 717-229-2933

3 Holstein heifer springers 1 Registered, due Aug. 24. Good type and breeding. Elevation bloodline. Franklin County. 717-762-5692.

Registered Polled heifers and cows, various ages, excellent bloodlines, New Trend Klondike and Victor. Visitors welcome. Paperhill Farm. 215-647-2432 or 215-647-2787

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Reg. Angus Bulls - 18 months, big framed $875 - $950. Certified accredited herd. Free delivery 100 miles. 814-742-8097

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SWINE

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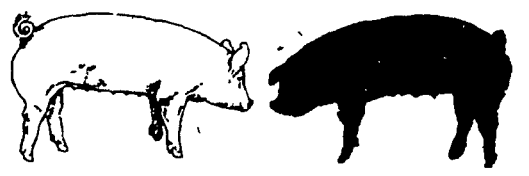

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YORKSHIRE AND LANDRACE boars and gilts of all ages. Pseudorabies negative tested boars for sale at all times. Production tested, certified meat tested, Show winners with many carcass champions. Daily drive-in and drive-out service. Reno H. Thomas, Beavertown, PA 17813. 717-658-5821.

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Registered Hampshire, Yorkshire, Landrace Boars, Bred and open Gilts, also Rams, Ewes. Preston Bankert. 717-244-1244

For Sale - Yorkshire Service Boars. Elwood E. Houser, 2150 Quentin Rd., Lebanon, PA 17042. 717-272-5798 or 273-2921

Primarily large white and Landrace cross gilts for sale out of a highly productive unit. Write to Melvin K. Fisher, 25 Quarry Rd., Paradise, PA 17562. Lancaster Co.

Duroc, Yorkshire and Spotted bred gilts for sale. Due to farrow July, Aug. and Sept. Others available on order. Also, boars and open gilts. Our Yorkshire boars at the Penn State test are the only pen at the present time each gaining 2 lbs. a day. Calvin H Lazarus & Sons, 4290 Bridge St., Whitehall, PA 18052. 215-799-3375 or 3831.

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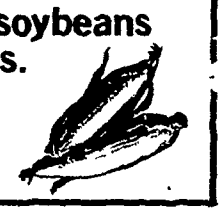

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Person w/management ability for registered Holstein herd. House, utilities etc. References required 717-464-3752

HELP WANTED

Wanted by Sept. 1 - Responsible person to work on 500 cow registered Holstein dairy. Milk once per day plus general farm work 60 hours per week. Time off and benefits Salary to match ability and references. No housing available Experience preferred. 301-239-7326. 301-374-2999

We are looking for a married individual w/experience to develop a quality commercial beef and pork operation, excellent salary and benefits for the proper individual. 814-238-1238 between 9 and 10 p.m

We need people interested in a business of their own to become involved in our direct sales program. For information Call 717-768-3625

Herdsperson for 100 cow dairy on Eastern shore of MD Must be experienced and have herd health knowledge Nice working conditions. Good salary, house and utilities plus other benefits. 302-764-4863 evenings after 6

Farm Help - Experienced person for milking and barn work Must be over 21. Will consider father and son team. 201-859-1731

Wanted - one married person to live in nice house, to understand stock and swine, understand all types of farm machinery, full particulars. Salem Co., NJ. Send replies to Lancaster Farming, P.O. Box 366 K-56, Lititz, PA 17543

Experienced person for general farming and beef fattening operation House included and long term incentive. Harold J. Dietrich, R.D 1, Box 139D, Myerstown, PA. 717-933-4940

Dairy farm help wanted, must be experienced milker to work on modern dairy farm House and utilities provided for small family. Good wages. References. Days 201-782-6734. Evenings 201-369-4784. Daniel's Dairy Farm, Flemington, NJ

Operating Dairy Farm, 284 acres, 64 stalls, 1000 gallon tank, lots of heifer room 24x70 silo, 2 equipment sheds, 2 large farm houses, Lycoming Co Lancaaster Farming, P.O. Box 366 R-27, Lititz, PA 17543

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HELP WANTED

Experienced writer who is familiar with farming and photography to do part-time correspondent work in Berks-Lehigh counties. Assignments to include news and features.

Send resume and writing samples to:

Editor
Lancaster Farming
P.O. Box 366
Lititz, PA 17543

BRANCH MANAGER

Berks-Lehigh Valley Production Credit Association and Federal Land Bank Association, an agricultural lending institution, seeks an individual with lending and management experience to manage Shoemakersville branch office

Responsibilities will include management and administration of a relatively large branch office, consisting of six employees and $30 million loan volume

Bachelor's degree preferred, along with two or more years related business or other financial institution experience. Agricultural and management experience desirable

We offer an excellent employee benefit package and starting salary commensurate with qualifications

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Berks-Lehigh Valley
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Berks-Lehigh Valley Production Credit Association and Federal Land Bank Association, an agricultural lending institution, seeks an individual to develop and maintain an effective marketing program.

Responsibilities will include business development, development of a marketing training program, market analysis, and public and member relations.

The Berks-Lehigh Valley PCA/FLBA is a relatively large and complex PCA/FLBA consisting of a headquarters office, located in Fogelsville, and fulltime branch offices in Shoemakersville, Tatamy and Hegins Berks-Lehigh Valley's combined volume is approximately $91 million in the seven county service area

Bachelor's degree preferred, along with media experience or experience in corporate or financial institution in public relations or advertising capacity Good communication skills essential. Agricultural background desirable

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Caretaker needed to work on beef farm and packing plant. Must have experience operating, repairing and maintaining equipment. Modern home and all benefits included. Prefer middle-age couple w/no children. Write to Lancaster Farming, P.O. Box 366 R-23, Lititz, Pa. 17543

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Experienced and responsible farmer with small family for 100 cow dairy herd and general farm work. House and utilities provided. References required. 717-349-7225

Farm help wanted - Dairy in Montgomery County. Field work and milking. Experience necessary. Housing and other benefits. 215-256-6831

A well established, thriving dealership is now looking for a young, experienced farm tractor mechanic. Should be well versed in John Deere and/or White Farm Equipment tractors. Must have complete line of own tools. Reply by mail to: C.H. McCutcheon, Jr. R.D. #2, New Wilmington, PA 16142

Herdsman for modern dairy farm, 100 cows, Harford Co., MD. Send reply to PO Box 366 K-57, c/o Lancaster Farming, Lititz, PA 17543

Responsible self motivated person to care for progressive 100 cow beef herd often in owners absence & to work in general farming operation. Must be knowledgeable about cattle, farm and building maintenance. House & electricity provided. Kent Co. MD 301-648-5105.

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SITUATIONS WANTED

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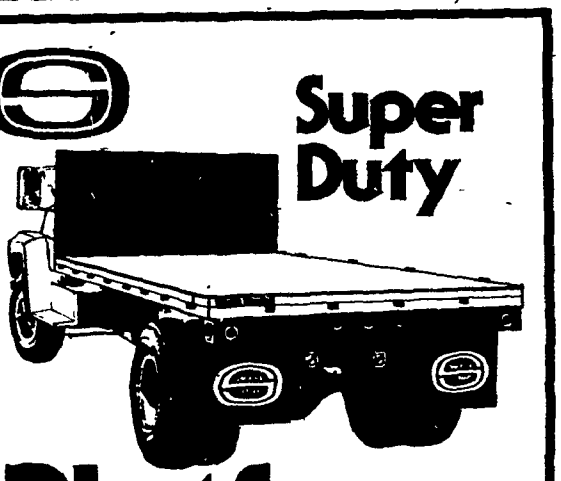

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1981 Ford 150, V8, automatic, two tone, custom cab, 10,000 mi., $7200. 1981 Chev. 10' van, 6 cyl., stick shift, 11,000 $6200. Phone 717-273-6018 Lebanon Co.

1974 C-65 Chevy truck, 2 spd. axle, 22' bed w/stock racks double deck, good condition. Franklin Co. 717-264-3515

For Sale - 1979 Chevrolet, 30 series, truck w/12' Hostetler cattle rack and 4500 actual miles, excellent condition. $8,700. 717-436-2255

New 12' Gooseneck Grain Trailer with hoist - 2 axle single wheel 5-ton payload. $4685. Hostetler 717-667-3921

Energy Hyd. truck hoist Sales & Service. Anderson's Repair Shop, Rd 1, Felton, PA 717-244-2039.

'74 IH cabover sleeper, 318 Detroit, twinscrew, low mileage, 10:20 radial tires, sliding 5th wheel, PS, $9,500. 215-286-9510

2½ ton, 5 sp. high-low range Army trucks, 1 gas, 1 diesel, 9:20 tires, tandem axles, $3400 gas, $4200 diesel. 609-769-3183.

1979 Black 6'x18' Valley gooseneck livestock horse trailer, plywood lined, double floored, tires filled with no-flat, $3500. 717-667-3921

Utility Livestock Trailer with removable top - great for hauling small machinery as well as cattle. $1995.00 Hostetler 717-667-3921

1973 Int. 2070 lime truck, 290 cummings 10 speed, 14' box and pub trailer, licensed 80,000. 717-865-6710.

Army Trucks - diesel, 5 speed, high-low range, tandem axle, 900:00x20 tires. $4,200. 609-769-3183

1981 blue Chev. C-30, 4 spd., low mileage. 12' stake body. $7800. 717-667-3921

'72 FORD GRAIN BODY
34,000 gross weight, Sacrifice $5,500 excellent condition, private owner.
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Bucks County

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1 of a kind 1978 Ford LN 800. 477 V8 ps, airbrakes, 11.00x20 tires. 156" ca custom cab, 35,000 gvw 77,000 original miles. Truck is like new. 301-877-9889

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1967 IHC CAB & CHASSIS 1800
392 V8 engine, 5 speed trans., 2 speed rear axle, 236" wheel base, extremely nice condition, 33,000 original miles, 1,000 miles on new motor.

1977 FORD PICKUP F150
½ ton styleside, 300 6 cyl. engine, auto. trans., AM radio, exceptionally clean.

1975 CHEVROLET 20' VAN TE67
366 V8 engine, AT540, automatic transmission, aluminum body w/curbside door and roll-up rear door, power steering, radio, new paint.

1977 CHEVROLET 18' to 22' VANS CE67003
366 V8 eng., 5 spd. trans., P.S., tilt hood, radio, 50 gal. tank, 27500# GVW, 1000 x 20 tire. All with O/H rear & curb side doors, some with liftgates, with or without new paint

1975 CHEVROLET 14' STAKE TRUCK
366 V8, 5 sp, PS, 900x200 tires, 23,160 GVW.

USED TRACTORS

1975 CHEVROLET Titan 90
Tandem axle diesel sleeper, 318 Detroit engine, 10 speed transmission, PS, AC, with or without new paint.

1977 GMC JC9640
Tandem axle, diesel, conventional cab, Formula 290 Cummins engine, 10 sp. trans., PS, air conditioning, low mileage, new paint.

1977 FORD LN 9000
Single axle diesel, conventional cab, 238 Detroit & Formula 290 Cummins engines, 10 sp. trans., PS, some with AC & Air Shield, new paint.

1977 CHEVROLET TITAN 90 DH9203
Tandem axle diesel sleeper tractors, 8V71 Detroit & Formula 290 Cummmins, 10 spd. trans., w&w/o PS, w&w/o A.C., 10.00x20 or 11x24.5 tires, cast spoke or Budd wheels, sliding 5th wheels, (2) overhauled, with or without new paint.

1977 CHEVERLOT TITAN 90 F1913
Single axle diesel sleeper tractor, 6-71 Detroit engine, 10 spd. trans., P.S., A.C., radio, 10.00x20 tires with or without new paint

1977 FORD LNT9000
Tandem axle diesel conventional tractors, 8V-71 Detroit or formula 290 Cummins, 10 spd. trans., P.S., A.C. 10.00x20 tires, sliding 5th wheels, with or without new paint.

1978 PETERBILT 352S86
Several to choose from
Tandem axle diesel sleeper, 365 Detroit engine, 9 sp. trans., PS, air cond. disc wheels, radial tires, dual 120 gallon tanks, air shield, new paint.

REFRIGERATED STORAGE TRAILER
1979 Fruehauf 39' tandem FB6-F2-39ST NWD30 Thermo King.

16' ALUMINUM VAN BODY
1977 Morgan, pre-painted white aluminum panels, overhead rear door, curb side door, 10" dock bumper & slated interior w/or/w/out liftgates.

Complete maintenance records available for inspecton. Other makes, Models & types to choose from.

TRUCKS & TRAILERS

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Knapheide - Moritz - Hillsboro - Feather-lite

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Flatbed trailers designed for mini trucks, 5' wide x 10' long with choice of gooseneck or bumper hitches. 717-667-3921

1981 red Hillsboro 7'x20' gooseneck livestock trailer. 717-667-3921

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New Dump Hoist for 9' to 12' farm bodies. Complete with pump, hardware and safety prop. Not installed: $785.00 Other sizes available. HOSTETLER 717-667-3921

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See us for details on 5 yrs. or 50,000 miles free warranty.
1976 Jeep Wagoneer, auto, ps, air Special $2895
1978 Ford Courier Pickup w/cap. Real nice.
1981 D-150 Pickup, 5000 miles, like new
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Rebates on Pickups
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Elizabethtown, PA.
PHONE 717-367-1808

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TRUCKS & TRAILERS

1979 green Ford F-350, auto. trans., 9' stake body, $4500. 717-667-3921

TRUCKS & TRAILERS

PICK UPS

1981 Chevy C10, 6 Cyl., Auto., PS, PB, Air Cond., 14,000 Miles **$7495**

1980 Chevy C10 Custom, 260 6 Cyl., 3 Speed, AM Radio, 20,000 Miles **$5995**

1980 Chevy C10 Custom, 6 Cyl., 3 Speed, PS, AM-FM & Cassette, 36,000 Miles **$5995**

1979 Ford F150, 6 Cyl., 4 Speed Overdrive, PS, PB, AM Radio, 38,000 Miles, Cap w/Insert **$5995**

1979 Ford F100 Custom, 351 V8, Auto., PS, PB, Air Cond., AM Radio, Dual Tanks, 28,000 Miles **$5995**

1979 Ford F250, V8, Auto., PS, PB, AM Radio **$5295**

1978 Ford Ranger XLT, 351 V8, Auto., PS, PB Air Cond., AM-FM & 8-Track Tape, 2 Tone Paint, White Spoke Wheels, Very Clean **$5995**

1978 Chevy C20, with Reading Utility Body, 292 6 Cyl., Auto., PB, New Paint **$4895**

1977 Chevy C10 Silverado, 350 V8, Auto., PS, PB, Power Windows & Locks, Cruise Control, Tilt Wheel, AM-FM, Dual Tanks, Sliding Rear Window, 2 Tone Paint **$4995**

1977 Int. Scout, 2 Wheel Drive, 304 V8, Auto., PS, PB, AM Radio, Very Clean, Only 30,000 Miles **$3995**

1971 Chevy C20, 400 V8, Auto., PS, PB, AM Radio **$1495**

VANS

1981 Ford E100 Econoline, 6 Cyl., Auto., PS, PB, AM Radio, Dual Tanks **$6895**

1979 Ford E150, with Paneled & Carpeted Interior, Factory Package, 351 V8, Auto., PS, PB, AM-FM Stereo, White Spoke Wheels, 2 Tone Black and Silver, 27,000 Miles **$6995**

1979 Ford E250 12 Pass. Club Wagon, 351 V8, Auto., PS, PB, AM Radio, 26,000 Miles **$6995**

1978 Chevy ½ Ton Panel Van, 250 CID 6 Cyl., 3 Speed, St. Shift, Gauges, 29,000 Miles **$4895**

DUMP TRUCKS

1977 Chevy C20, Single Wheels, 350 V8, Auto., PS, PB, w/Lift Installed On Bed **$5395**

4 WHEEL DRIVES

1981 Chevy C30 Silverado Dual Wheel Crew Cab Camper Special, 454 V8, Auto., PS, PB, Air Cond., Dual Tanks, Tilt Wheel, Cruise Control, AM-FM, Lockout Hubs, 10,000 GVW, All Black w/Cap, 1-of-a kind **$16,900**

1979 Chevy Blazer, 305 V8, Auto., PS, PB, AM Radio, 2 Tone Blue & White **$6995**

1979 Chevy Blazer Cheyenne, 350 V8, 4 Speed, PS, PB, Air Cond., Tilt Wheel, Power Windows & Locks, Posi-Rear, AM-FM-Stereo & CB, Lockout Hubs, 31 Gal. Tank, Dark Brown Metallic & White **$8995**

1979 Ford Bronco Custom, 351 V8, Auto., PS, PB, Air Cond., AM Radio, 34,000 Miles, 2 Tone Red & White **$8295**

1979 Ford 150 Custom, 351 V8, Auto., PS, PB, Air Cond., AM Radio, 35,000 Miles **$6995**

1979 Subaru Brat, 4 Cyl., 4 Speed, AM-FM, Rally Wheels, 1 Owner **$4895**

1979 Ford Bronco Ranger XLT, 351 V8, Auto., PS, PB, Air Cond., AM-FM Stereo, 2 Tone Maroon & Black w/White Roof **$8495**

1979 Dodge W150 Pickup, 360 V8, Auto., PS, PB, AM Radio, Cap, Very Clean. **$6495**

1978 Dodge W150, 318 V8, Auto., PS, PB, AM-FM, Western Angle Plow 38,000 miles **$5695**

1977 Chevy Blazer Cheyenne, 350 V8, Auto., PS, PB, Air Cond., AM-FM, Tilt Steering, Dark Brown Metallic & White 2 Tone **$5995**

1977 Chevy Suburban, 305 V8, Auto., PS, PB, AM Radio, 40 Gal. Fuel Tank, Dbl. Doors In Rear **$5495**

1977 Ford F250 Custom, 351 V8, Auto., PS, PB, AM Radio, Myers Plow, Lockout Hubs, 32,000 Miles **$6495**

1975 GMC ¾ Ton 350, Auto, PS, PB, Air Cond., AM-FM **$3995**

1974 Jeep CJ5 Renegade, 304 V8, 3 Speed, Only 44,000 Miles, Alum. Slot Wheels **$3995**

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AUTOMOBILES

Suzuki, 1980 GS450T, maroon metal flake paint w/pin stripes, polyglycoat, star wheels, 6 speeds w/LED gear position indicator, storage compartment under seat. Many extras. Before considering spending $1000 more for 1982 bike, check this one out. Perfect condition, garage-kept, never intentionally rode in rain, sharp looking, $1300 negotiable. Call 717-285-3051 or 397-2093

SURPLUS JEEPS, CARS AND TRUCKS AVAILABLE
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RECREATIONAL VEHICLES

For Sale - Honda three wheelers, 1981 250 like new; 1979 110, Gircat for work or play. Call 215-267-2553. Lancaster Co.

FOUND

One 2 year Dorset Ram Nix Besser Breeding Registered. 717-684-8898 Lanc. County

PETS

For Sale - Beautiful reg. Border Collie puppies from imported champion Scottish working bloodlines, finest stock handling and obedience dogs, ready to go. Sheepy Hollow Farm, Walt Jagger, Hop Bottom, PA 717-289-4663.

A.K.C. Registered English Springer Spaniel puppies, liver and white. 717-742-3739

A.K.C. Shelties (Miniature Collies) world leading bloodlines where quality is first. Call after six 814-224-4793.

For Sale - Blue Healer pups, male and female, no papers. Proven working stock. 717-964-3598

MISCELLANEOUS

Weil McLain stoker furnace, large, runs on oil or coal, lots of pipes and radiators, good cond., very reasonable. 215-857-3463

GUARDIAN SERVICE COOKWARE and replacement glass covers. Call after 6 p.m. 1-301-358-2444. Ivin Bernstien, 6304 Greenmeadow Pkwy., Balto., MD 21209.

Firewood discount prices by trailer load, fast loading. Call after 5. 717-494-1626

For Sale - Slab wood, $12.00 one ton bundles. 717-345-6175 hardwood

Wanted - 100 cords of dry oak firewood, logs or cut. 215-343-2278

18 modern church pews, light oak, 13'6", good condition, manufactured by Osset, York Co. 717-244-4448

PETS

Doberman and Rottweiler Wonderland, over 100 puppies and adults for sale. Champions at stud. 215-933-3600.

Wanted: Puppies, all breeds. Jack's Dog Farm, Rt. 611 Pipersville, PA 18947. 215-766-8802

Puppies Wanted - all breeds for pets, can pick up. 717-442-4259 or write Puppies, 296 S. Vintage Rd., Paradise, PA 17562.

For Sale - AKC Rottweiler pups. David Martin RD1 New Holland, Long Lane Rd.

For Sale - Purebred Cocker Spaniel puppies, 6 weeks old, buff in color. 717-527-4466

Australian Blue Heeler puppies, raised on dairy farm, reasonable price. 215-286-9052 Lancaster Co.

German Shepherd pups, nice markings, shots and wormed. Inquire at Village Harness Shop, located at Intercourse along Rt. 772.

For Sale - AKC reg. Beagle puppies, shots, wormed, ready to go. Call eves. 717-684-8549

For Sale - 2 Terrier & poodle mix breed dogs. 1 female and 1 male. 1 yr. old. Good health. Free to a good home. 215-723-0598

For Sale - German Shepherd puppies, AKC registered, good watch dogs. 717-724-2364

MISCELLANEOUS

For Sale - Fiber drums, liquid and dry, Wiss Acres. Lehigh County. 215-298-2057.

3'x7' steel door and frame $100. 20 HP York Shipley steam boiler. 15 ton air handler. 717-626-2058

Aluminum cans, glass, non-feerous metals. 717-656-4211

For Sale - Poplar, oak, hemlock and walnut lumber. Locust posts and fence boards. Moyer's Sawmill, Rt. 2 Annville, 717-867-5316

Adventure on Horseback
Weekend or 3 day catered trail rides in Grand Canyon country of beautiful northern Pa. Mt. Trail Horse Center, RD 2 Box 51A, Wellsboro, PA 16901. 717-376-5561

Sawdust for sale and calf hutches built. 717-432-2415 or 2883

Rough cut sawmill lumber for sale, order now. 717-374-8965.

1974 Garwood packer body model 925, 25 yd., exc. condition, interchangeable with Heil, delivery available, $5000. 914-941-2970.

Chinchillas and equipment for sale to start fur business, make offer. Call 703-777-7593

Storage in barn, farm equipment or animals, trucks, autos., boats, furniture, trailers, etc. 215-667-5329

Wanted - Built in dock leveler. Phone 302-999-0246

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Specializing in White Oak & White Ash
LAKE LOGGING
Rd 1 Holtwood, PA 17532 717-284-4900
Rd 2 Denver, PA 17517 215-267-5309

PETS

My puppy stand at Root's Market will be closed until August 3. I will reopen that day and will be offering a $100 prize for the cutest pup purchased!

JO JO THE DOG MAN

I'll Be Back Tuesday, August 3 at

Root's Farmer's Market
RD 1 Manheim
Every Tuesday 5 PM - 8 PM
(no phone calls)

REAL ESTATE

Farm - 106 acres, flat to slight slope, 84 acres tillable, exc. hunting. Clinton Co. Write PO Box 366 A-42, c/o Lancaster Farming, Lititz, PA 17543

Wanted - Dairy farm, preferably stocked & equipped w/owner financing, barn for 50-70 cows w/pipeline bulk tank, silos. Have nice 87 acre beef farm in Virginia for sale - perfect for retirement - very low taxes. 804-248-6818

MISCELLANEOUS

FOR SALE - New and used automatic washers, dryers, gas and electric refrigerators, ranges, used wringer-engine washers, new bedroom furniture. Open 7:30 to 4:30; Saturday, 7:30 to 12:00; evenings by apointment. Myer's Washer-Dryer, Rt. 772, between Brownstown and Leola. 717-656-7169

DRUMS & BARRELS - New and used plastic steel and fiber. Fresh, empty wooden barrels for wine & cider. Local and Long distance delivery. Reliable Recyclers, Inc. 114 S. Maple Ave., Leola. PA 717-656-4211

PHASE CONVERTERS RUN 3 PHASE MOTORS ON SINGLE PHASE IN STOCK 1½ TO 10 HP. AND UP ON SPECIAL ORDER. FOR MORE DETAILS PHONE 717-676-4504

Guineas, live, dressed, keets, dog houses; fish worms. 717-687-8041.

Used 5000 gallon tank, was used for molasses. Only $750. 717-944-1346

"TATTLETALE" Mailbox Signal -- Available from Guy Esh, RD 1, Box 86-A, Belleville, Pa. 17004. 'Tattletale' indiates at a glance from home or car if mailman has deposited mail in your box. Sale price - $2.98. Order today! (TFB)

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For Sale - 50 KW alternator w/Deutz diesel, 3 phase can be converted single phase 40 KW, 10 hp Quincy air compressor 1000 gallon air tank 717-935-2056

Dion self-feeding wagon with running gear 1 yr. old. $2200 Sleigh good shape $800. Collection of Avon over 300 pieces. Mostly all full and about half of the boxes. Selling at Avon 7 book prices. Fiesta set of dishes 14 plates + other $250. 717-265-9890

Steel pallet racks, heavy duty, 4 tier, 10'3" high, 36" wide, 9'3" long, $100 ea. Harrisburg 717-652-1957

HOUSEHOLD GOODS

For Sale - Prizer Cook Stove, excellent shape. 215-593-5754.

GAS REFRIGERATOR 6.4 cu. ft. Servel, 4 ice trays, new door gasket. Shown by appt. in Lancaster, Write "Resident" 2513 Girdwood Rd, Timonium, Md. 21093

REAL ESTATE

Union Co. Penna. 117 acres limestone soil, equipped for hogs, beef, silo, feedlot, outbuildings, large frame barn, eight room house. large stream on property, less than $2000 per acre. 717-922-1410

Northumberland Co. Dairy Farms Complex 5 farms, 575 acres, 450 tillable, 134 cow drive thru free stall barn, 62 cow flat milking barn, 3 oxygen free silos, 4 other barns, 4 homes, many other features. Will sell as whole or in part. Further details call 717-758-2556

Farm For Sale By Owner: 198 acres, 150 tillable, stanchion barn with pipeline, 50 milkers, 30 young stock, silo, complete line of machinery. Good alfalfa land, completely remodeled 4 bedroom home with electric heat and attached 2 stall garage. Asking $225,000 Lewis County. Write Lancaster Farming Box 366 K-55 Lititz, Pa. 17543

For Sale - new Swiss chalet type home on 3.4 wooded acres, 45 miles north of Harrisburg. 717-539-8639

190 acres, 140 tillable, balance wooded, beef, hogs, or cash crop, house, 2 barns, 3 lg. sheds. $79,995 owner financing. Steuben Co., NY. 607-962-6668 eves.

155 acre farm for sale or lease to right party. Owner financing. Cumberland Co. 717-776-7724

Farm - 104 acres, 50 acres tillable 32x80 hog finishing building. 5000 bushel ear corn storage. 717-784-8593

For Sale - Twenty four acre farm with remodeled four bedroom house, two full baths, fireplace, woodstove. 717-438-3268 Perry Co.

Bradford County modern dairy farm, 90 acres, Will sell bare or equipped. 717-364-5631

Crop land for rent - 250 acre parcels, good crop ground. Western Chester County. 215-363-7157

Huntingdon Co. 168 acre crop and beef farm, 100 acres tillable, good soil, well fertilized, 3 bedroom farmhouse, alum. siding, tenant house, lg. bank barn, river frontage, immediate occupancy, under $1,000 an acre. 814-643-4446 eve.

39 acre executives farm with large four bedroom home, large barns, tenant house and near Wolcott, N.Y. $89,000.00 Dwight Winter-Broker 315-594-2345.

Wanted to lease or lease purchase - dairy farm. Would like to have 60-80 stall barn. We have 40 cows and full line of equipment. Would like to buy more cows. This is a family operation 717-741-1440.

Lovely 13.5 acre farmette, located on Rt. 61, 4 mi. east of Sunbury, Northumberland Co. 2 story, 4 bedroom home, 32x60 barn, 24x60 workshop, 3 drilled wells, ideal location for business. $76,000. Integrity Real Estate 717-837-2358

DESIRABLE FARM FOR SALE - Location - Central, PA - Muncy, Hughsville area - 160 acre farm approx. 120 tillable acres mostly level land - huge 75' x 120' barn - several out buildings - large farm home in excellent repair - property also consists of a huge limestone quarry presently in full operation. For more information - Write Larry R. Maneval Box 96 Woolrich, PA 17779

144 acre farm located in Columbia Co., PA. Owner financing. Asking price $144,000. Contact FRITZ REAL ESTATE, 316 East St., Bloomsburg, Pa 17815. 717 784 1873.

REAL ESTATE

One story three bedroom home in excellent condition, one car garage on 1¼ acre lot. Three miles north of Liberty, PA 717-324-6104.

Lots - Farms - Homes. Free Catalogues at office. STROUT REALTY INC., Bechtelsville, Pa. 215-367-2018

Picturesque 31½ acre farm near Pottstown. Joins golf course stone colonial random width, floors walk in F.P. original log cabin. Deed traces to 1683. Windmill barn, steers or horses. Stream, 3 acre woods, 28 acre alfalfa. $200,000. Possible finance. Call 215-845-7845

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CUMBERLAND CO.

113 acre dairy, charming stone dwelling.

82 acre all open land, murrill soil.

20 acre dairy farmette, 8 tie stalls, silo w/feeder.

FRANKLIN CO.

124 acre general, 95 tillable, plus buildings, 2 story dwelling, bank barn.

91 acre dairy. Owner financing.

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126 acre general, restored 2 story brick dwelling, beautiful location.

106 acre dairy, 2 silos, bank barn, NO DWELLING.

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FOR SALE - MINI ESTATE
BALTO. CO. MD.

Large brick and stone cape cod on 5+ acres. Well landscaped. 3+ acres with small barn, loafing shed, shade trees and stream, fenced, ideal for horses or cattle. Home has 6 bedrooms, 2 full and 2 half baths, clubroom, stone fireplace, 220 wiring and abundant storage. Many extras. Attached 2 car garage and seperate 24x28' garage. 525 gal. gas tank underground. New drilled well and pump. Country area, yet convenient to 695, schools, churches and shopping. Price $175,000.00. Owner financing available or will consider trade for farm within 100 miles of Balto. or Ocean City, Md. condominium. Phone 301-665-7474 or 301-592-8891.

REAL ESTATE

Wanted for Spring 1983 or sooner - dairy farm to rent or lease w/option. Should have minimum 75 acres tillable 50+ cow barn and nice home. Have own cattle and machinery. 717-756-2098 evenings.

Nine hole golf course, 18 hole miniature golf, driving range, pro shop, snack bar, stone house, two barns, 45 acre tract, to qualified buyer. 215-679-5204 Pennsylvania.

Want to rent - dairy farm w/option to buy. Capable of handling 60-70 milking cows plus young stock. Have cows and some equipment. References available. 301-658-6509.

REAL ESTATE

For Rent - 4 room house, middle aged couple, nice yard and parking Neffsville, Lancaster Co 717-569-1170.

2 Farms consisting of 120 acres of very fertile land, 2 sets of buildings for sale by the owner, John Strawbridge, 301-996-2022.

120 acre farm for rent or sale. Cumberland Co., 4 bedroom house all improvements, 3 bedroom mobile home, bank barn, for beef sheep or hogs. Plenty of water for pasture or irrigation. 717-249-1165 after 5:00 P.M.

For Sale - 3 bedroom house and grocery store with snack bar, country setting, North Lancaster Co. For further information write 305 Lexington Rd., Lititz, PA 17543 or call 717-626-2995

For Sale - House, two acres land, Juniata County. Rt. 75, 5 miles South of Port Royal. Two story aluminum siding, oil heat, three bedrooms, 1½ baths, double living rooms, dining room, modern kitchen, utility room, small barn. 717-734-3462 717-667-2014

Beautiful hunting and vacation land, 3-10 acres 10 miles to Raystown Dam Low down payment, 12% interest Call collect to Mr Roelker 717-677-8114

Private party wants farm, large or small no money down but have vets certificate eligibility location anywhere or farm on 50-50 milk check Send reply to PO Box 366 A-40, c/o Lancaster Farming, Lititz, PA 17543

80 acre farm in northwest PA (Conneautville) Barn, silo, milk house, other buildings 8 room house Amish community nearby $80,000. 814-587-6201

SNYDER COUNTY
10 Acre Plus Farmette
more acreage available
Large frame farm house plus several out buildings House in excellent condition - new custom cherry raised panel kitchen with built in refrigerator, dishwasher, oven/range, and breakfast bar. Living room with fireplace and wide plank floors, 1st floor den and bath 3 large bedrooms + modern bath upstairs. Suitable for hobby farming of most any type. Excellent deer hunting and trout fishing in its immediate area. Huge state constructed lake going in nearby. Owner will carry financing on soft terms, call for details only $49,900.

Several 10 acre parcels - some large. Fronting on hard surface public road. Some have stream. Mostly farmland - suitable for pre built houses. Prices starting at $15,000 financing available at 20% down - 13% interest - 10 year, no. payment on $12,000. is $182.73 - 5 yr. recall. 717-569-5449

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The Classified Livestock Section Has Beastly Selections!

REAL ESTATE

TIOGA CO. PA.

Ranch house on 3 acres; 2 car garage with paved driveway. House features 24x35 family room with walk around fireplace and barbeque pit, step saver kitchen, DR, Living Room with fireplace, 3 or 4 bedrooms, 1½ baths, unfinished basement with another fireplace. $65,900. Possible owner financing. CALL 814-367-5796

REAL ESTATE

FOR SALE

Nice part-time farm property - 44 acres in Westfield Twp. Tioga County, Pennsylvania. House is in fair condition, structurally sound but interior in need of finish work. Barn is in good condition. Property would make excellent hunting camp. Financing available to qualified buyer(s). Asking price $29,900. For more information contact Rick Bowen at Headwaters Farm Credit Service, P.O. Box 508, Wellsboro, PA 16901. Telephone: (717) 724-1961

FARMS FOR SALE

Dairy, Horse, Beef & Crop
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Independently Owned

DAIRY FARM

Southeast corner of bradford Co., 192 acres, 110 tillable, 52 stanchions, 630 gal. milk tank, 2 cement stave silos, only $175,000.

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Sylvester Baum	Harlan Keener	Mahlon Oberholtzer
Carlisle	Willow Street	Lancaster
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FARMS IN WAYNE COUNTY

HORSE FARM. Sparkling property with 200 acres, 5 acre pond. Indoor and outdoor arenas; 16 stall barn. Nice 3 bedroom house. **$250,000.**

MINI-COUNTRY ESTATE. 15 acres of beautiful land with nice 4 bedroom home. Pond. **$37,500.**

LEVEL and TILLABLE. 120 acres, barn and out-buildings. Charming 4 bedroom home. **$190,000.**

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L1-2-19 10 acres and cabin $25,000 Juniata Co near Rt 104, CALL DON

L1-2-20 Near Liverpool, 95 acres wooded $57,000 CALL DON

F1-2-22 78 acre general farm near Newport, Perry Co 55 acres tillable, 4 bedroom 2 story house Small pond $124,000 $60,000 down, balance owner finance

F1-2-14 139 acres w/90 acres tillable, Montour Co Large house & bank barn $170,000 Excellent financing

F-1-2-18 Near Northumberland 116 acres w/60 acres tillable, Ranch house Has development potential $140,000

F1-26 Perry Co general farm, 180 acres 90 tillable, Long, wide field easy to work suitable for long landing strip . . . Reduced to $199,000

F1-02 A diamond in the rough 103 acres w/log house for only $69,000 Snyder Co Some owner financing possible

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FARMS FOR SALE

Chester Co near Oxford 190 acres 150 acres tillable 35 acres meadow 2 lg streams some woodland has would make 2 nice farms We will sell less acres if buyer desires Amish neighbors 2 houses on the farm mansion house 8 rms bath conveniences farm house 15 rms bath conveniences tenant house 7 rms bath conveniences Large dairy barn bulk milk tank stanchions lg silos good wells good producing land Reduced price owner financing Early possession

95 acre dairy farm 50 stanchions bulk milk tanks milk house silo good wells lg farm home 10 rooms bath lg dairy barn box stalls stream meadow nice long level fields good Amish area

80 acres additional land we may sell along the above dairy farm We may sell the farms as a whole or separate Terms Possession before Dec 1 1982 Owner financing Price to sell

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150 ac. good bldgs., pond, good cropper, exc. water, fine home, secluded, $190,000.

5 ac near Rt. 322, farm and shop bldgs., house, $53,900.

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Montour Co.
108 ac. sm. down payment, low int., stream, poss. beef cows/calf, etc. Very secluded but near I-80, in the $90's.

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103 Ac. including operating apple orchard w/storage pond, stream, much more, Rt. 235, $275,000.

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18 Ac. off Rt. 104, stream, barn, 2 story good home, move-in condition. Mennonite neighbors, $68,000.

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GENERAL FARM - 131 acres (106 productive, tillable, 25 woodland & pasture), near Williamsburg. Solid 2-story frame house and bank barn ideally suited for livestock. Buildings are centrally located on land $170,000

CENTRE COUNTY

GENERAL FARM - 123 acres (45 tillable, 32 pasture, 44 woodland). Excellent water supply. 2-story frame house, mostly remodeled, 30'x60' high clearance pole building. Yarnell area. $119,500.

NEW LISTING - General farm, 125 acres, (tillable, pasture, woodland and marketable timber.) 2 story house, bank barn, new 40x60 Butler implement shed, outbuildings, stream. Full line of farm equipment also available, owner financing. $147,500.

NEW LISTING - Dairy farm, 136 acres, (113 tillable, balance pasture,) sound 2 story dwelling, excellent dairy facilities, including modern 1 story dairy barn w/52 tie stalls and attached free stall heifer barn w/40 stalls, 3 concrete stave silos w/unloaders and 2 story bank barn in addition. Pond. $299,000

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10 ACRE FARMETTE - frontage on Rt. 192. Sound 2 story house, new 30' x 60' 2 story barn & garage. Nice laying land. Suitable for a limited acreage dairy operation with the adjacent barn listed below. $52,500. 45 acres of woodland also available.

2 STORY BANK BARN, 41' x 90' with a 40' x 45' attachment. The barn has 27 tie stalls & an attached milkhouse. 2 silos, 12' x 50' & 10' x 35', 2 implement sheds. 2 acres of land included. Small additional acreage available. $35,000. Adjacent to the farmette above.

40 ACRE GENERAL FARM - 38 acres of productive tillable land, good dwelling, barn, workshop. Buildings in good condition. $67,500. Woodland also available. Also available as a 5 acre property with buildings for $29,500.

GENERAL FARM - 105 Acre 92 acre highly productive tillable land, 15 acres pasture and woodland. Very good house, barn, garage, stream. Nittany Valley near Hublersburg. $177,500. Owner Financing.

GENERAL FARM - 215 acres in Curtin Township near Romola, adjacent to Sproul State Forest. Picturesque with tillable and wooded acreage; 2-story house, 2-car garage, very good condition. Stream provides water for house and pond. Excellent investment, ideal for horses or recreation. $150,000. Owner financing.

GENERAL OR HOG FARM - Near Spring Mills, 75 acres (30 tillable, 12 pasture and 33 woodland) 2-story frame house, 40'x70' bank barn with 29'x39' attachment, 2 corn cribs. Barn equipped for farrowing and finishing hogs. Small stream. Approximately 18 miles from State College. $92,500.

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CLINTON COUNTY

GENERAL FARM 183 acres near Loganton. 83 acres productive tillable land, 9 acres pasture, 89 acres woodland. Very good 2 story frame house, large bank barn, garage, hog pen. Small stream, well & 2 springs. Joins state forest land Priced Reduced $172,500, owner financing

HUNTINGDON COUNTY

LIVESTOCK FARM - 419 acres (approx. 220 acres tillable, 140 acres pasture, 59 acres woodland). Buildings include a brick home, 2 barns, garage, 2 silos, 2 large euipment sheds 3 ponds are situated near the buildings Price Reduced $345,000. Owner Financing

DAIRY FARM - 330 acres, (175 productive Hagerstown tillable, 125 pasture & 30 woodland). 3 dwellings, large bank barn with 36 tie stalls & pipeline milker, 2 concrete stave silos with unloaders & miscellaneous outbuildings. Dairy facilities are less than 2 yrs. old. Spring water. $340,000. Owner Financing.

NEW LISTING - General farm, 185 acres, (95 tillable, 24 pasture, 62 woodland). 2 story log constructed dwelling with frame attachment, bank barn, implement shed, outbuildings, 2 ponds, stream. $148,000.

NEW LISTING - Beef or horse farm. 218 acres, (80 clear land, balance wooded) Jackson Twp. Petersburg, refinished 2½ story house, 2 story bank barn, garage and outbuildings. Several springs, $164,500

LYCOMING COUNTY

LIVESTOCK OR DAIRY FARM - Near Lairdsville. 270 acres (165 level, very highly productive tillable). Good 2 story house, bank barn, 60 x 120' cattle barn, suitable for freestalls, 20 x 60' Harvestore, 2 streams. Owner financing $325,000.

MONTOUR COUNTY

GRAIN FARM - Limestoneville - 300 acres (287 acres tillable) Very good house, barn, complete grain drying & storage facilities. Highly productive ground in excellent state of fertility. Considerable road frontage. Extremely good farming area. Owner financing. $750,000.

NORTHUMBERLAND COUNTY

GRAIN OR LIVESTOCK FARM -Near Turbotville 231 acres (174 very productive tillable). Good 2 story house, bank barn, implement sheds, & like new grain drying facilities. Owner financing. $325,000.

GENERAL OR LIVESTOCK FARM - 105 acres. (100 acres highly productive tillable land. 3 acres pasture), excellent road frontage. 2-story house, barn & outbuildings $185,000, owner financing.

SOMERSET COUNTY

DAIRY FARM - 170 acres (115 tillable, balance pasture & woodland). 2 story house & 1½ story house. Barn 2 silos, corn crib, & trout stream Farm in excellent condition. Owner financing $190,000.

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60 acre choice limestone land, excellent view of moutain, no improvements. Call Mr. Niesley.

33 acres secluded, 20 wooded, no buildings, stream. Call Mr. Niesley.

25 acre dairy farmette, new 2 story brick house, 50 comfort stalls, 2 silos, new implement shed. Call Mr. Niesley.

11 acre with good view to develop home site or farmette. Call Mr. Niesley

JUNIATA COUNTY

60 acres of timberland. Call Mr. Benner.

31 acre farmette. Remodeled 2 story frame house, small barn and other buildings. Stream. Call Mr. Benner.

20 acres of open ground. No buildings. Call Mr. Benner.

5½ acres wooded, ½ hard, ½ X-mas trees. (Reduced). Call Mr. Bitting.

PERRY COUNTY

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70 acre general - 2 story frame house, bank barn and other buildings. Call Mr. Bitting.

19 acre farmette, new 2 story southern colonial brick and aluminum house, situated on ridge, fantastic view, 30x48 barn with horse stalls, stream, secluded, near New Port. Call Mr. Benner.

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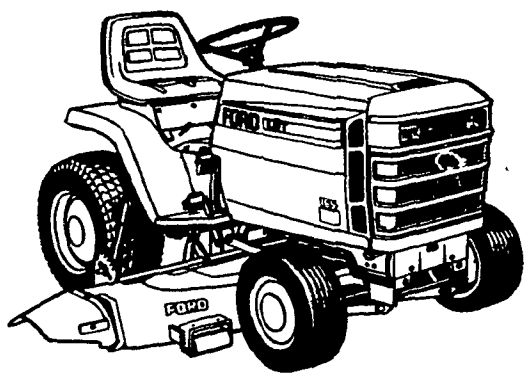

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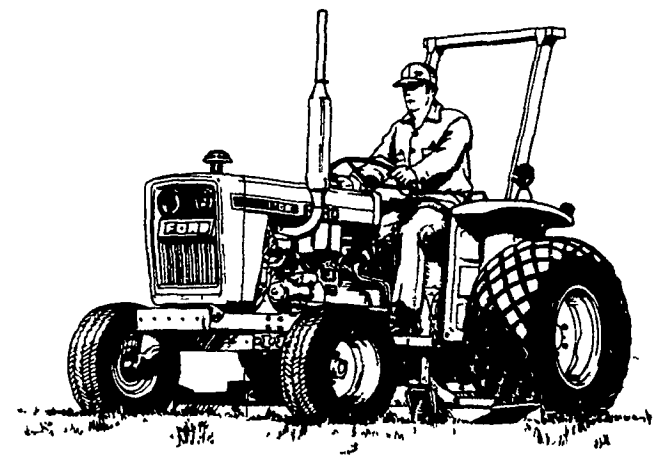

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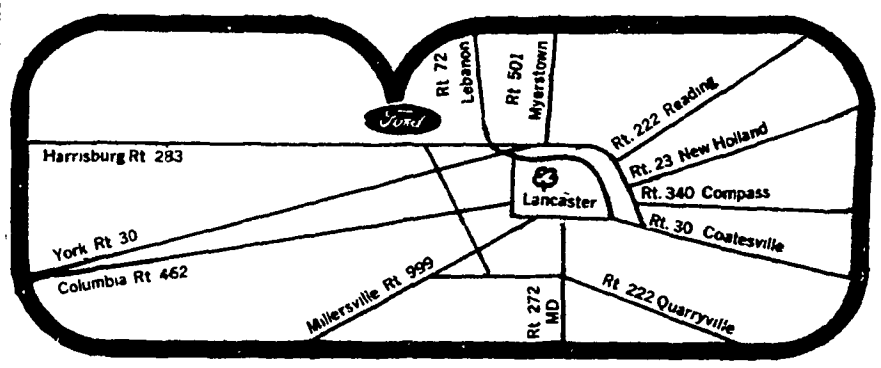

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Pa. vegetable growers to vote on research program

HARRISBURG — Pennsylvania's commercial vegetable growers will soon have the opportunity to vote on a vegetable research program designed to increase the state's vegetable production.

State Agriculture Secretary Penrose Hallowell said he was asked by the Pennsylvania Vegetable Growers Association to call a referendum on the statewide program under the Pennsylvania Agricultural Commodities Act of 1968.

Ballots for the Vegetable Research Program referendum were mailed July 22, and must be returned no later than 4 p.m., Thursday, Aug. 5 to be eligible. A majority of those voting both in number of producers and in the acreage of vegetables produced is required for the program to be approved.

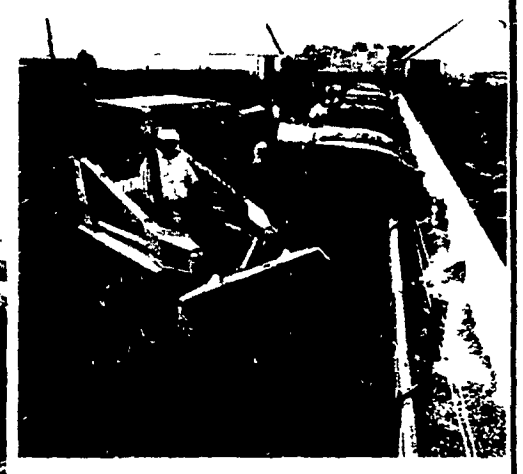
Hallowell said, "Pennsylvania's vegetable growers are an integral part of the state's agricultural community. Last year the state's estimated 863 growers produced over 218,000 tons of produce valued at nearly $39 million.

"Besides supplying processing plants throughout the state and the Northeast," he said, "our vegetable growers are essential to ever-growing number of direct farm markets." Pennsylvania leads the nation in direct marketing.

If the proposed vegetable research referendum is approved, farmers who grow ten or more acres of vegetables for fresh market or processing would be assessed $1.50 per acre. This would generate approximately $56,000 a year to be used exclusively for vegetable research.

A twelve-member advisory board composed of affected growers would be appointed by the Agriculture Secretary to administer the program. The program would be similar to the state's existing Potato Research Program and would work to develop improved vegetable varieties more suitable to Pennsylvania's climate and soil conditions.

Ballots will be tabulated by a three-member teller committee of affected growers and appointed by the Secretary. Growers wishing more information should contact the Bureau of Markets, PA Department of Agriculture, 2301 North Cameron Street, Harrisburg, PA 717/787-4210.



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Farming's Futures

By David K Sauder
Commodity Broker
Trade Tech, Lancaster

Why basis varies

Many farmers contend that basis should be about constant: For grains, they expect it to just cover the country elevator's handling charge, transportation to Chicago, and an unload charge there.

This concept of basis dates back to the turn of the century when Chicago was the focal point of the agricultural marketing system. The largest cash grain flows passed by rail through Chicago to the major markets in the east and overseas. Livestock moved there for slaughter.

But in more recent decades, Chicago's place in the marketing chain has altered radically. It still exports a substantial amount of grain through the Great Lakes — but nowhere near the volume that moves down to the Gulf of Mexico.

Far more grains and oilseeds move in cash market channels today, and they move in diffused patterns. In the case of livestock and poultry, slaughter activity is now usually close to the point of production.

Transportation and handling

Basis is still closely related to transportation and handling costs. But transportation to where? And handling costs for what? Iowa grain may be moving down the river one day, to feedlosts in the southwest the next, and heading through the Rockies the day after that. In Lancaster it may stay right in the same county where it was produced.

More and more livestock move to places like Dodge City, Kansas, and Amarillo, Texas — centers of feedlot and slaughter activities — rather than to major cities.

Today, the futures quote and the local basis really represent two separate sets of prices. The futures market price quotation covers the overall supply-demand balance — the national or international scene. It registers the major factors that account for perhaps 90 percent of the price of the commodity.

The local basis represents the other 10 percent of the price — the local market factors. Local basis reflects, for one thing, the positioning of the local market in relation to that day's commercial demand.

Importance of positioning

For example, if the Gulf needs grain to load waiting ships, then grain near Peoria, Illinois, is better positioned than grain near Toledo, Ohio. If Southwest feedlost need soybean meal, then mills in Iowa are better positioned than mills near Indianapolis.

When the Lancaster market is in a good position to fill the local demand, the basis will usually narrow, and that can be one key to a profitable hedge.

Basis also reflects such local factors as storage or the lack of it and whether local feedlots are buying feeder cattle and feed. Farmers' willingness to sell is another major factor in setting basis.

The local basis will also reflect typical seasonal supply and demand factors for the commodity. For annual crops, the dominant factor is the harvest-time bulge in stocks and tight storage space. That's when the basis usually widens, largely as a consequence of the heavy demand for storage.

The basis figure will also hint at more subtle pieces of information. If the Great Lakes are frozen early, if the Missouri is too low for barges, if railcars are in short supply, these factors will affect the basis, too.

Send your questions about futures trading to Farming's Futures, Lancaster Farming Newspaper, Box 366, Lititz, PA 17543.

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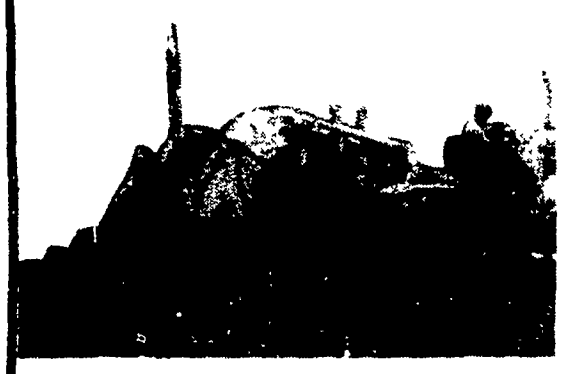

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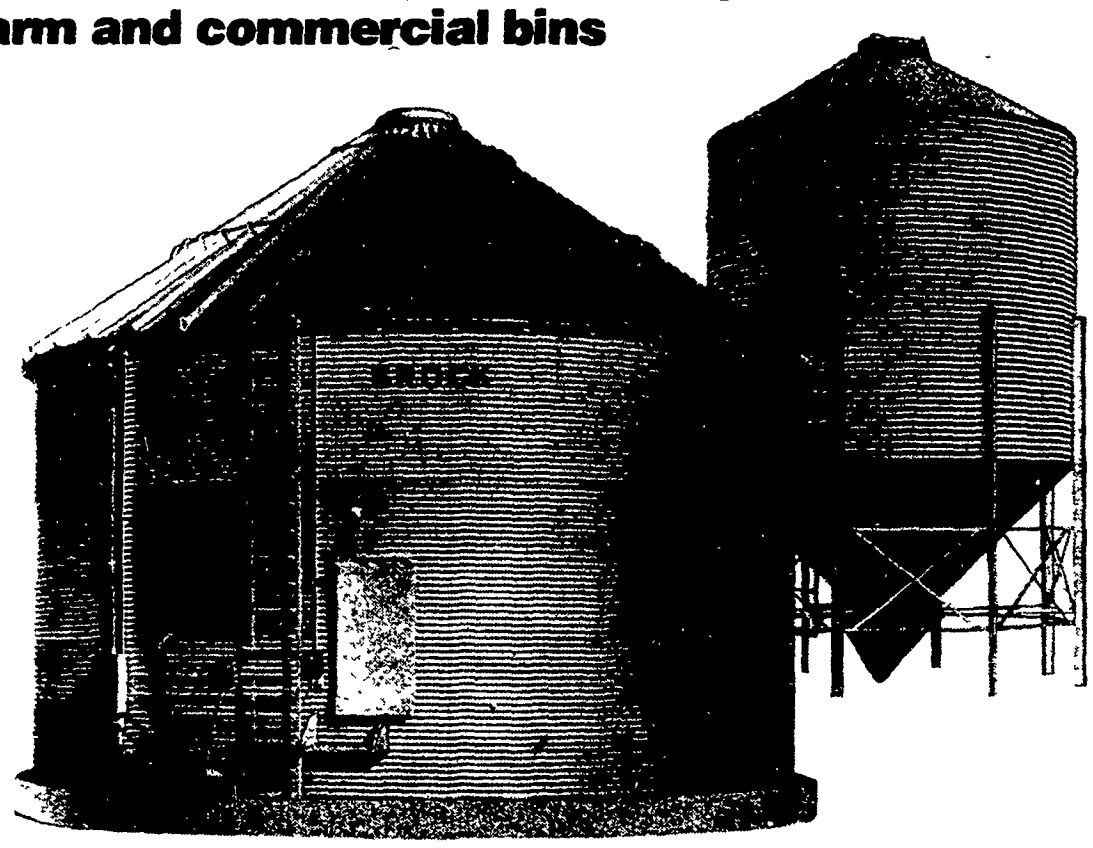

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Farm Talk

Jerry Webb

Haymaking habits die slow

With all of the advances that have come to agriculture over the past quarter century. one job has changed very little on most farms. That's the business of haymaking.

Granted, fewer farmers make hay, preferring instead green chop or some other form of "silage". But those farmers who produce real hay still follow an age-old ritual. Tractors, pull-type hay balers and bale evelators have modernized the process quite a bit compared to the way it was 40 or 50 years ago. But the techniques followed by the typical farmer are virtually the same.

Of course, good weather is critical to good haymaking, so a farmer watches the forecast and waits for a dry spell of a few days duration. This year has been a nightmare, with showers almost every other day more than a month.

The standard routine is to cut fairly early in the day, and depending on temperature, humidity, sunshine and the type of hay, rake it into windrows late that day or after the dew dries the next day. Then, if all goes well, baling can start the next day.

Most farmers with at least a modest amount of hay to bale, own their own balers. These marvelous machines have been around for almost a hundred years, but only in the last 40 have they become mobile. These days, a baler powered by a medium-sized tractor moves down the windrows picking up the loose hay mechanically, pressing it into a bale and tying it with wire or twine. The bale is forced out the back end of the machine, ready for the barn.

Depending on the kind of baler and how modern it is, the bales are either dropped on the ground, carried up a chute to be loaded by manpower onto a following wagon or tossed mechanically into a wagon with high sides. The latter technique to fairly new and not totally accepted by farmers as the best way to handle hay. Many still prefer to stack it by hand directly from the baler or from the ground. Both are back-breaking jobs calling for skill, strength and stamina.

It's surprising to me that as difficult as this part of haymaking is, it's still done the way it was when I was a boy. I did get in on some loose haymaking — stacked with pitchforks on a horse-drawn wagon. And once I loaded loose hay that was piled on the wagon by an unwieldy machine pulled behine the wagon. But most of my haymaking involved bales — pulled from the back of the baler and stacked very carefully on a bumping, bouncing wagon.

Once loaded, an empty wagon was substituted and the full one was picked up by the unloading crew — usually husky teenagers willing to heft 80-pound bales off of a wagon into a barn loft without any mechanical advantages.

The first bale elevators, as crude as they were, brought joy to the hearts of many teenaged boys. After that it was only a matter of dumping the bales from the wagon onto the elevators. Of course, someone still had to stack them in the barn — a hot, dusty job — but the heavy lifting was eliminated.

That innovation came along about 30 years ago and was the last big breakthrough until fairly recently when bale throwers made their debut. More recently other machines that make huge bales that can only be handled by machines have been developed. Also, there's a machine that makes small haystacks that can be left in the field. And while these devices are being used by some farmers, common practice is about the way it was 25 or 30 years ago.

I drove by the haymaking site of a farmer friend recently — a farmer with the best in field crop planting and harvesting equipment. And although he has $100,000 or more invested in farm machinery, he still makes hay the way I did when I was a kid. He may be riding in an air-conditioned tractor as he pulls the newest in balers over the fields, but that's where space-age technology stops. From the back of the baler to the barn loft requires as much muscle strain and sweat as it did when that same farmer was starting his tractor with a crank and storing his milk in 10 gallon cans.

One Pennsylvania farmer handles his hay on pallets — the same way bulky items are handled in industry. Bales are stacked from the baler onto these pallets and from there it's all machine work, with a forklift device becoming a necessary piece of farm equipment.

Maybe that's the way to go in the future, but that's a whole new concept that must be accepted by farmers. It means new equipment, new storage buildings, a big investment — something hay farmers aren't looking for these days.

So don't be surprised if the hard work stays in haymaking for many years to come. And it does provide some summer employment for a lot of otherwise idle teen-age boys.

Grange salutes elk control efforts

HARRISBURG — The Pennsylvania State Grange will honor officials of the Pennsylvania Game Commission, Bureau of Forestry, and several state legislators involved in instituting an elk herd management program, with a tour and luncheon for invited guests in Elk County, next Wednesday.

The Game Commission recently approved an updated management plan following deliberations of an elk management committee formed last fall with appointees from the Grange, Game Commission, Bureau of Forestry, and sportsmen.

Farmers in Elk County had complained to the State Grange about considerable crop damage caused by the increasing elk herd in their county. Since the elk are unique and a local tourist attraction, farmers are reluctant to shoot the animals even though they are permitted to destroy elk if crop damage occurs. The State Grange met with the Game Commission last fall; and together an elk management committee was formed.

The July 28 tour will include a look at management methods initiated under the newly adopted plan, such as on experimental high tensile electric fencing installed on a local farm; sites where additional wildlife openings are being developed on public lands; and an existing grazing area where the vegetation is being improved. This work is being undertaken by the Game Commission using Game Fund revenues.

At the luncheon in St. Marys, the Grange will honor the following persons for their respective roles in bringing about a solution to the elk problem: Jacob Sitlinger, chief of Division of Land Management, Game Commission; Robert Martin, district forester, Bureau of Forestry; Pa. Senator Patrick Stapleton (D-Indiana); P. Representative William Wachob (D-Elk); and Pa. Representative William Foster (R-Wayne), chairman of the House Game and Fisheries Committee.

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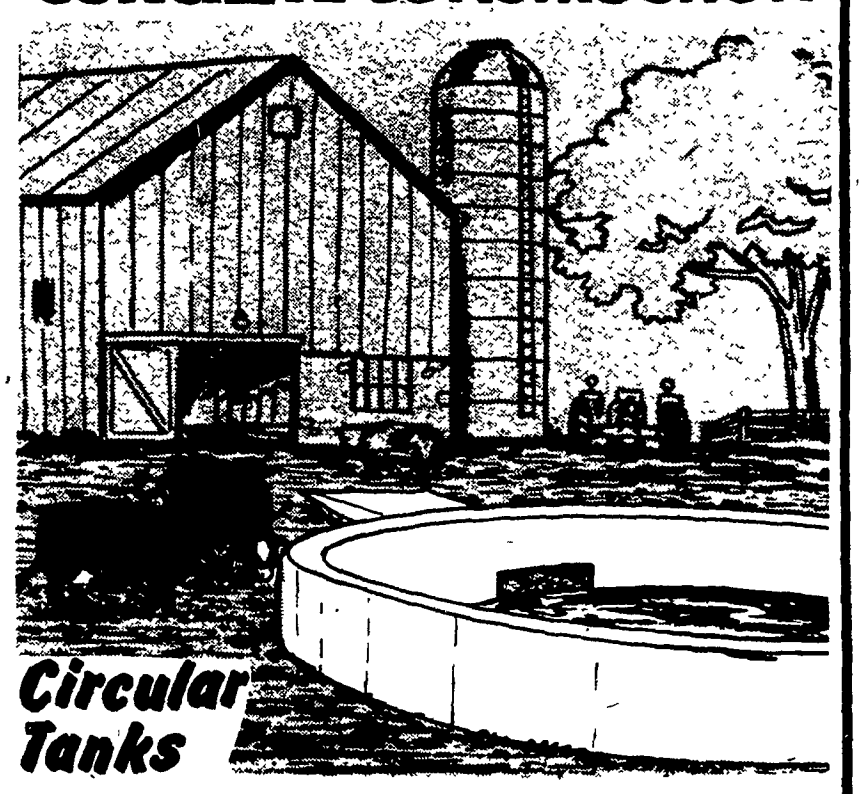

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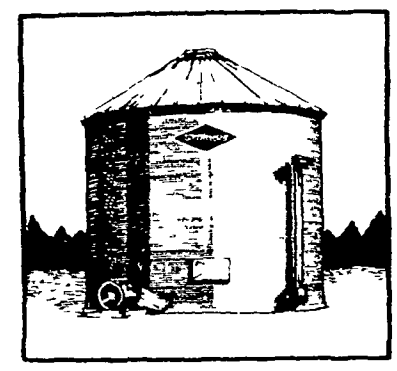

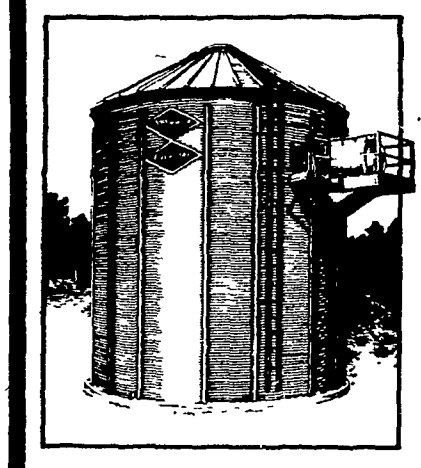

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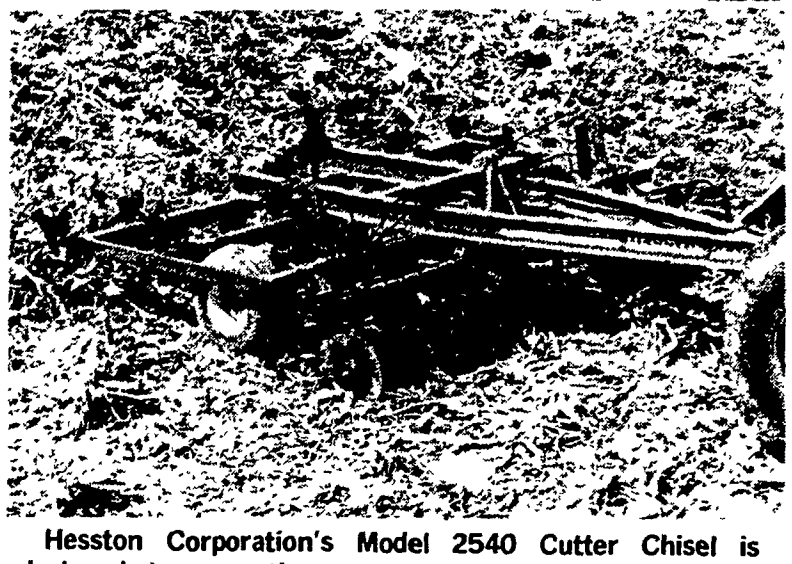


Hesston Corporation's Model 2540 Cutter Chisel is designed to save time, conserve moisture and reduce erosion.

Cutter chisel saves soil, energy

HESSTON, Kan. — Hesston Corporation is introducing the Model 2540 Cutter Chisel, a new primary tillage tool designed for soil conservation and energy savings.

"The 2540 provides multiple soil preparation benefits. It saves time, conserves moisture and reduced erosion. This new addition to Hesston's Prime Line is one of the most efficient conservation tillage tools available," said Dexter Schaible, product manager.

Coulter-type cutter blades running in front of the chisel shanks are 22 inches in diameter and are spaced 7½ inches apart. They cut a clean, narrow path through heavy trash so the chisel plow can thoroughly incorporate residue. The result is a field surface that absorbs and holds moisture to help eliminate erosion, plus helps increase soil fertility.

A heavy-duty frame weighs 450 pounds per foot of width for excellent cutting and chiseling action. The Hesston design allows adding or dropping two shanks off the cutter chisel to match tractor horsepower.

Cutter gang height is easily adjustable. C-spring hangers on the cutter gang provide flexibility and cushioning to absorb shock loads and provide maximum trash clearance.

Rigid scrapers are mounted independently from the cutter gang, producing a shaking, vibrating action that keeps blades clean and minimizes plugging.

Cutter chisels have new Hesston points that can be replaced without removing the four-inch moldboard. The chisels are available with rigid or spring-cushion auto-reset shank holders with 750-pound point load for tough soil conditions.

More than 30 inches of underframe clearance and 15 inches between shanks, plus three ranks of shanks instead of two provide excellent rash clearance.

The Model 2540 is available as a 7-, 9-, 11- or 13-shank unit, with operating widths from 8'9" to 16'3".

IH tractor sets 3 records

CHICAGO — International Harvester's largest two-wheel drive tractor set three records for power and fuel economy and tied an existing mark for low sound level in the Nebraska Tractor Tests conducted and just released by the University of Nebraska.

In tests comparing performance of two-wheel drive tractors, IH's 187 PTO hp 5488 tractor burned only 0.430 lb. of fuel per horsepower-hour, setting a fuel economy record for tractors over 165 PTO hp. The tractor also set a record for the most drawbar horsepower ever delivered by a two-wheel drive tractor, 164.82, and a new drawbar pull record of 18,646 lb. The 5488 registered a low sound level of 73 dB(A), to tie an existing mark.

The fuel economy record translates into a three to four percent fuel savings for the average farm job compared with a leading competitive tractor model undergoing the same Nebraska tests, according to IH engineers.

"Two of the design criteria of our 50 Series were to provide the farmer with tractors that cover more acres per gallon of fuel and work more acres per hour," said Glenn W. Kahle, vice president of engineering for IH's Equipment Group.

Kahle credited the strong performance of the 5488 to the high torque rise characteristics of the IH's direct injection, turbocharged and intercooled diesel engine matched with a new highly-efficient power train and an electronically assisted fully synchronized 18 speed constant mesh transmission.

"A high torque rise engine like the 5488's DTI 466 gives the farmer more power at a lower engine speed," said Kahle. "In tough plowing or disking conditions, as the engine speed drops, the torque rises. The farmer gets maximum fuel efficiency without constantly shifting up or down when moving in and out of varying conditions. The transmission has such a wide variety of speeds and the engine has such a wide operating RPM range that the farmer can match ground and engine speed to any given job while maintaining power and productivity." The transmissions in the 50 Series tractors have six speeds in each of three ranges — low, medium, and high.

The maximum 18,646 lb. of drawbar pull was achieved in the low range, sixth gear. The 164.82 drawbar horsepower record was established in the medium range, third gear.

The 73 dB(A) sound level was achieved with the tractor operating at 50 percent of pull at a reduced engine speed for two hours. For comparison, the inside of a passenger car traveling at 60 mph registers a sound level of 70 dB(A), according to National Safety Council figures.

John Deere 4850 tractor is the top of the company's new line of 10 farm tractors designed to improve productivity, ease of operation and fuel economy over previous models.

Deere introduces new line of tractors

MOLINE, Il — John Deere has introduced 10 new two-wheel drive tractors, 45 to 190 PTO h.p., with features to improve productivity, ease of operation, and fuel economy over the comparable models they replace.

All are available with mechanical front wheel drive as an option. MFWD puts up to 40 percent of the tractor's power through the front wheels to improve traction, reduce wheel slippage and improve both fuel and power use efficiency.

Front wheel drive

The patented John Deere Caster/Action MFWD introduced on all but the smallest model in this new line of tractors has center-line drive and allows front wheels to turn 50 degrees, and caster up to 13 degrees to provide maneuverability heretofore available only on 2-wheel drive tractors. Complete implement compatibility is retained with the John Deere Caster/Action MFWD with a range of front-wheel adjustability which permits the tractors to be adopted to narrow and wide row crops and still maintain good maneuverability.

A convenient on-off rocker switch located on the tractor's instrument panel allows operators to engage or disengage the mechanical front wheel drive on the go, without clutching. A limited slip differential is standard equipment with the John Deere MFWD to provide increased traction control at the front end.

Transmission

A new optional 15-speed power shift transmission on the five largest tractors in the new line represents the industry's furthest advancement to date in effortless, on-the-go shifting to the most desirable working speed among 15 forward or four reverse speeds completely without clutching. The forward range includes seven well-spaced speeds in the field working range which, tests have shown, allow operators to increase their productivity by as much as 15 percent by having the right speed available to get the job done in the most efficient manner. The new transmission also includes four speeds for PTO work under three miles per hour and four transport speeds.

John Deere's well-known Quad-Range transmission is regular equipment on four of the five larger models in the new line with the new 15-speed power-shift optional on four models, required on all models equipped with MFWD and regular equipment on the largest model.

On the five small models, a new top shaft synchronized transmission (TSS) is provided as standard equipment. TSS transmission permits on-the-go shifting within gear ranges with safety, comfort and little effort.

More power

Power has been increased throughout the 10-model new line. The five smaller tractors each have five PTO h.p. more than the comparable models which they replace; the five largest each have 10 PTO h.p. more than their predecessors.

While the overall productivity of the entire line has been increased with higher horsepower, MFWD, and transmissions which provide the proper speeds for individual job requirements, the price of productivity, in terms of gallons of fuel consumed per acre worked, has been reduced. Much of this is achieved through the simple efficiencies of MFWD and the transmission options.

Hydraulics

The closed-center hydraulics pioneered on John Deere tractors more than 20 years ago and steadily improved over the years, is further improved on the ten new models. New selective control valves reduce restrictions in hydraulic fluid flow permitting faster lifting of heavy loads. New breakaway hydraulic couplers feature improved drip-free coupling and uncoupling under pressure. New rotating dust covers with extensive sealing provide better weather and dust protection for the couplers.

Operator convenience features begin with hydrostatic power steering on all but the smallest model, extend to larger fuel tanks on most models for longer work periods before stopping to refuel, to new light bars neatly designed into front hood extensions to reduce shadows and "blind spots" during night operation. The largest five models have a new warning system which monitors 10 critical vehicle and engine functions and provides both visual and audible signals when the operator's attention is required. Finally, maintenance chores have been eased with a new 200 hour oil change interval on the five larger models.

All 10 of these new models will be available for viewing at selected John Deere dealerships in September.

ABS picks 2 new bulls

DE FOREST, Wisc. — A Pennsylvania bull and a Maryland bull have been selected by American Breeders Service to enter their Progenty Testing Program.

Turnpike-View Roscoe Elmer was bred by Paul Horning, Turnpike-View Farm, of Stevens, Lancaster County. He was sired by Joludi Elmer Chief and his dam, Turnpike-View Tidy Danette, has production records to 26,394 lbs. of milk, with a Cow Index of plus 1,265M. She is classified VG-85 and is sired by Round Oak Rag Apple Elevation.

Kingstead Hallmark Glen was bred by Kingstead Farms, of Damascus, Md. He was sired by Glendell Arlinda Chief and his dam, Kingstead Rorae Matt Judy, has production records to 25,506 lbs. of milk, with a Cow Index of plus 1,743M. She is classified EX-90 and is sired by Round Oak Rag Apple Elevation.

American Breeders Service recently had their bulls at the ABS DeForest and Madison, Wisc. and Wellington, Col. facilities classified by the Holstein Association of America.

Lime-Hollow Elevation Mars was raised to EX-96, which makes him one of the highest classified bulls in AI. SWD Valiant was reclassified at EX-94 and Arlinda Dairyman was raised to EX-91.

The reclassification added 11 new Excellent bulls to the ABS roster.

Pioneer opens genetics lab

DES MOINES, Ia. — A new research department with the primary goal of transferring advanced genetic engineering techniques from the laboratory to proven plant breeding programs has been established by Pioneer Hi-Bred International, Inc.

Scientists in the new Department of Biotechnology Research are investigating how the technology of plant tissue culture and DNA analysis can be practically applied to improvement of proprietary crop varieties and other products for agriculture.

Part of the Pioneer Plant Breeding Division, the new department is housed in a $2.7 million complex on a two-acre site adjacent to the division headquarters in Johnston.

The 17,000-square-foot facility contains nine laboratories with state-of-the-art equipment and instrumentation. There is also office and work space for scientists, technicians and clerical staff stationed there.

First-phase staffing includes scientists trained in five disciplines: a molecular biologist specializing in applications of DNA analysis to plant breeding; a cytogeneticist with knowledge of molecular genetics; a plant tissue culture specialist; a research microbiologist, and a plant pathologist working at the molecular level.

Cytogeneticist Marc Albertsen of Pioneer Hi-Bred International, Inc., inspects a wild relative of corn he's growing at the new Department of Biotechnology Research facility.

The Department of Biotechnology Research will have responsibilities related to all seed stocks developed and marketed by Pioneer — corn, sorghum, soybeans, wheat, alfalfa, cotton and sunflowers — as well as microbial products that enhance seed performance.

Nicholas M. Frey, acting director of biotechnology research for Pioneer, says the new department's initial objective is to increase the efficiency of current plant breeding programs.

Long begins silo production

TARBORO, N.C. — Long Mfg. has begun production at its new glass-lining facility in Davenport, Iowa. Representing an investment by Long Mfg. of over $5 million, this facility will fabricate, clean, spray, and fire the new oxygen limiting, glass-lined storage systems, used by farmers for storage of high moisture grain and medium moisture forages, as well as their current line of Stor-Lix liquid waste storage systems.

The glass-lining conveyor system is 1193 feet in length and utilizes multi-head electrostatic spray guns. Humidity is computer controlled in each of the five spray booths. This air make-up control system assures consistent, high quality application. The 149-foot furnace is also computer controlled to maintain a constant 1500 degrees. It has air seals, and a hot air reclaim system.

The line features many technological innovations including reciprocating spray guns for even application of glass and a specially designed reclaiming system for more efficient use of materials.

The new glass lining facility allows Long to produce storage structures for agricultural, industrial, and municipal application. Long also offers a full line of grain bin drying and storage systems, as well as handling equipment, for farmers who prefer dry grain for feeding or marketing.

Bicarb tops limestone

PISCATAWAY, N.J. — Dairy research evaluating sodium bicarbonate or highly reactive limestone added to a control ration shows greater benefit from feeding bicarb, three universities have reported. Results also suggest that this highly reactive limestone is not effective in buffering the rumen.

In the research, Larry D. Muller of Penn State; Carl L. Davis, of the University of Illinois; and William Chalupa, of the University of Pennsylvania, participated in a cooperative study under a grant from Church & Dwight Co., Inc.

The researchers fed a total of 108 cows, about 35 at each location, from freshening through 16 weeks of lactation. The control diet was a total mixed ration of 60 percent concentrate and 40 percent corn silage, on a dry matter basis. Either 1.2 percent sodium bicarbonate, 1.42 percent limestone, or a combination of the two ingredients was added to the total ration.

Previous research had suggested that finely-ground, highly reactive limestone might be an effective rumen buffer. However, urine and fecal analyses showed that the buffering action of the limestone was limited to the lower digestive tract. Sodium bicarbonate, on the other hand, was an effective buffer in the rumen and throughout the body.

Production records show that cows challenged for high production in the early weeks of lactation can benefit from sodium bicarbonate feeding. Cows fed sodium bicarbonate added to the control ration produced more milk during the first nine weeks of the trial, reaching higher peak milk production earlier than cows that did not receive bicarb.

Sodium bicarbonate also increased milk fat production, and production of 4 percent fat corrected milk (FCM).

On the other hand, limestone and the combination of limestone and bicarb decreased milk and FCM production.

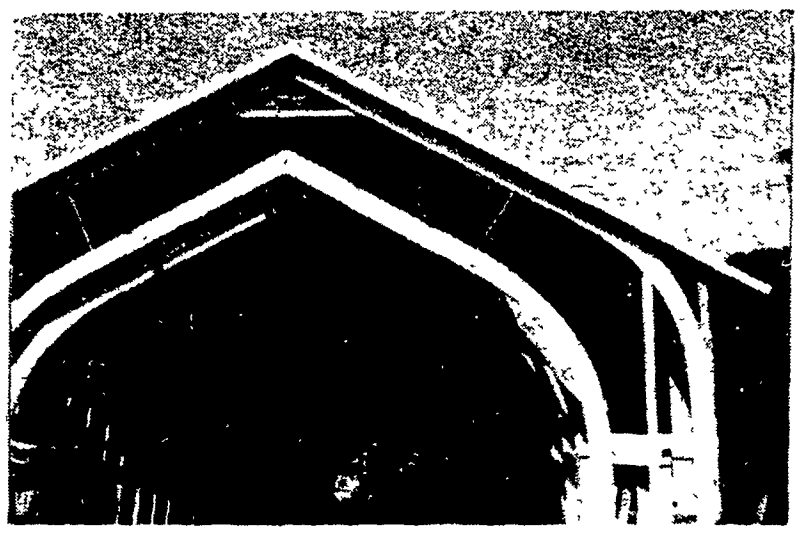
Ideal cites new hog panels

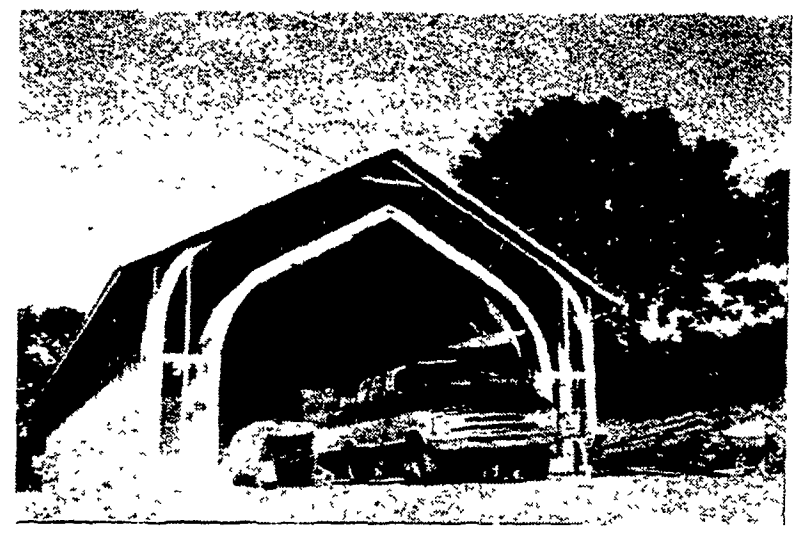
CONRAD, IA. — Hog producers can fight rust in hog confinement operations with Ideal's new adjustable hog confinement panels which are made from heavy gauge stainless steel. The strong vertical tube panels come in sizes to fit most confinement operation floor plans.

Available in 28-inch and 35-inch heights, they can be used for nurseries, and finishing, sow, or boar pens.

"The panel systems are flexible to allow for some unevenness in the floor," says L.W. "Pete" Keeley, sales manager. "Therefore, they can be used in many different operation layouts. Also, the panel components are interchangeable with previously used V-panel systems and powder coated systems."

The adjustment package is an accessory for this panel. It is a 4-inch powder coated steel bracket that fits at one end of the panel and makes adjustment a simple, one-step procedure. Canes or straight pins are used to connect it to the posts.





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USDA to approve $40 million of CCC storage loans

WASHINGTON, D.C. — The U.S. Department of Agriculture will resume approval of new applications for Commodity Credit Corporation farm storage facility loans, up to a total of $40 million.

Secretary of Agriculture John R. Block said this will allow farmers to begin making their storage plans for 1982 crops. Loan disbursement will begin after Oct. 1, he said.

No storage facility loan applications made since Feb. 8 have been approved "to permit the Department to review program regulations in light of changes in the legislation authorizing the program," Block said.

Now that this review has been completed, Block said the following modified requirements will apply:

— Storage needs of loan applicants will be based upon the availability of storage for one year's production of wheat, feed grains or rice produced on farms participating in the acreage reduction program for those crops. The production of rye, soybeans, dry edible beans, peanuts, sunflower seeds, high moisture forage and silage will not be considered.

— New CCC storage loans will be limited to $25,000 per farmer. Loans will be considered for one-year's storage needs and will be repayable in five years. Loans will be available for building new storage structures and for remodeling existing structures but not for electrical, handling, or drying equipment.

Agricultural Stabilization and Conservation county committees may approve loans for up to 70 percent of the eligible cost items. Ineligible items which are an integral part of the structure must be paid in full before loan disbursement.

— An extended interim rule requesting comments on the new eligibility requirements will be published in the Federal Register. All comments from the public concerning the regulation will be considered before the Department publishes the final rule.

Block said that producers with pending applications will be given the opportunity to revise them based upon the new program requirements.

PFA wins nat'l awards

CAMP HILL — The Information Department of the Pennsylvania Farmers' Association won three national awards for its information program, according to an announcement made last Wednesday by Richard L. Prether, PFA information manager.

Pennsylvania won more awards than any other state participating in the Information Recognition Program of the American Farm Bureau Federation. PFA is affiliated with the American Farm Bureau Federation, along with 48 other states and Puerto Rico. The awards were presented at a nationwide Farm Bureau conference this week in Texas.

The three categories in which the state association won are: TV public service announcements; public relations campaign on a specific issue, and communicating with the non-farm public.

Forest resources and herbicides

UNIVERSITY PARK — Weak trees in your woodlot? Wild brush in your pasture? Or maybe you have problems with woody vines that defy mechanical methods of control. If you do, you can now get help from a new, up-to-date guide to controlling unwanted forest trees, brush, and vines in Pennsylvania called Forest Resources and Herbicides, prepared by two faculty members of Penn State's School of Forest Resources. Single copies are available from the county Penn State Cooperative Extension Service.

The guide has the latest information on chemical controls based on recommendations from forest specialists to help your protect the land you manage. Unwanted woody vegetation can be more than a nuisance. If it's not properly controlled, it can be a substantial drain on your investment.

Forests, pastureland, watersheds, highway roadsides, and recreational areas are some land uses that often require the safe use of herbicides. Chemical controls offer land managers a more economical and effective method of controlling undesirable vegetation than laborious hand cutting or mechanical methods.

Herbicides most commonly used to establish and improve forest lands are described along with their common names and advice for application. The guide also contains detailed tables on herbicides to control forest trees, brush, and woody vines.

To get your copy of Forest Resources and Herbicides: A Guide to Control of Unwanted Forest Trees, Brush, and Vines in Pennsylvania, contact your county Extension Service office and ask. It's Special Circular 278.

Wayne offers calf booklet

CHICAGO — Helpful guidelines on use of vaccines, preventive antibiotics and supportive treatments to ensure healthy, productive dairy calves are offered in a new booklet from the Wayne Feed Division of Continental Grain Company.

"Feeding, Health and Management Tips for Raising Dairy Calves" also contains other helpful information on the care and feeding of those calves. And it spells out bodyweight and heart girth goals for various breeds of calves by the time they reach four months of age.

For a copy of the booklet, write to: Bill Federspiel, Wayne Feed Division of Continental Grain, P.O. Box 537, Ft. Wayne, IN. 46801.

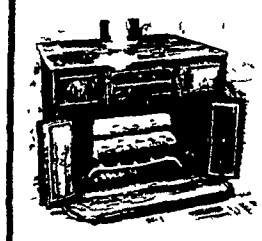
Ford offers 9.75 interest

TROY, Mich. — Ford Tractor dealers will offer 9.75 annual-percentage-rate (APR) financing through Aug. 31 on farm and industrial tractors financed for 12 months or less, according to R. J. Nicolazzi, general operations manager for Ford's Tractor and Implement Operations, North America.

"Our new program offers qualified buyers a 9.75 annual percentage rate for one-year contracts on all 1000 Series, TW Series and Series 10 agricultural tractors and most industrial equipment through Ford Motor Credit Company and some other lending agencies," Nicolazzi said.

He said the plan also allows customers to select the term of their finance contract with the annual percentage rate increasing by one percent for each additional year of the contract up to a maximum term of five years.

Ford implements sold with eligible farm and industrial tractors also are included in the new financing plan.



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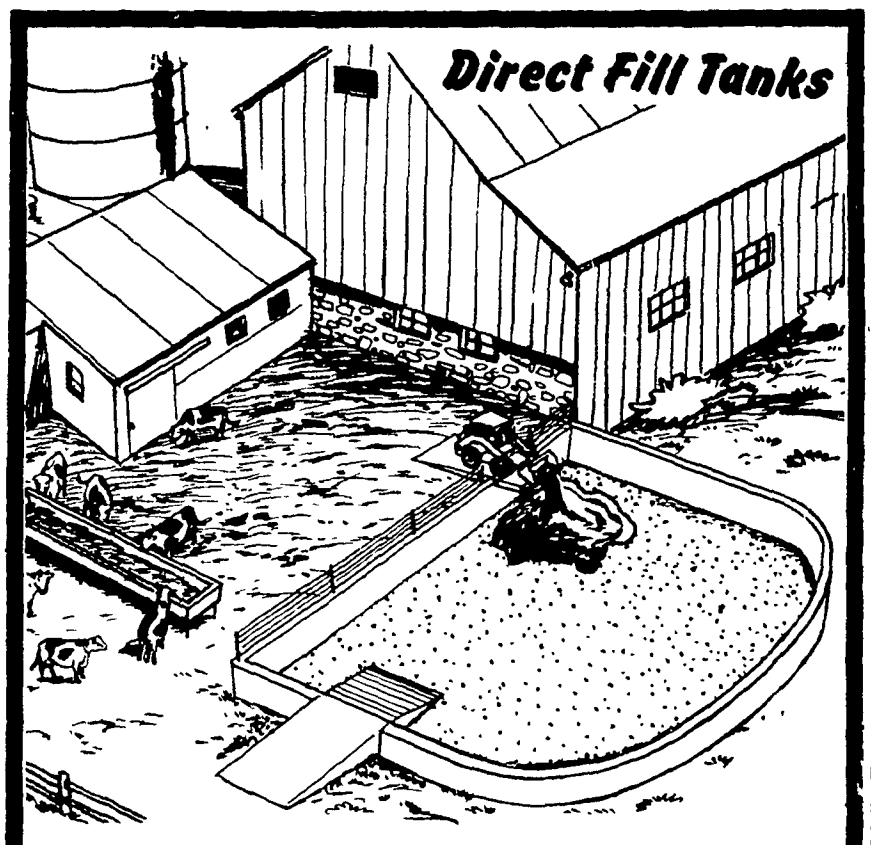

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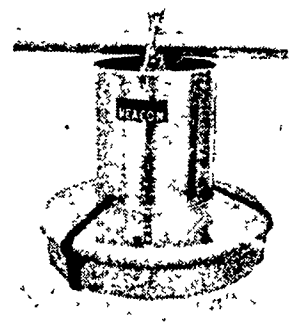
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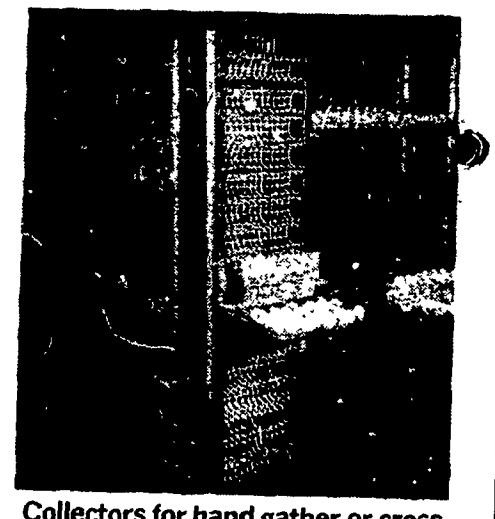
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550	4'0"	6'0"	10	549	198.00
550	4'0"	6'0"	7	751	241.00
1,000	4'0"	10'8"	10	827	291.00
1,000	4'0"	10'8"	7	1,129	358.00
1,000	5'4"	6'0"	7	1,028	333.00
1,500	5'4"	9'0"	7	1,388	447.00
2,000	5'4"	12'0"	7	1,735	546.00
3,000	5'4"	17'11"	7	2,432	736.00
4,000	5'4"	23'10"	7	3,130	929.00
5,000	8'0"	13'7"	1/4"	4,484	1645.00
6,000	8'0"	16'2"	1/4"	5,123	1800.00
8,000	8'0"	21'6"	1/4"	5,475	2230.00
10,000	8'0"	26'10"	1/4"	7,825	2660.00
10,000	10'0"	17'0"	1/4"	6,956	2405.00
12,000	10'0"	20'6"	1/4"	8,074	2800.00
12,000	10'6"	18'7"	1/4"	7,900	2690.00
15,000	10'6"	23'2"	5/16"	11,857	3850.00
20,000	10'6"	31'0"	5/16"	15,105	4800.00
25,000	10'6"	38'7"	3/8"	22,115	7550.00
30,000	10'6"	46'4"	3/8"	25,999	8775.00

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280	36½"	5'	12	280	65
1,000	5'4"	6'	7	827	75 to 100
1,500	5'4"	9'0"	7	1,388	75 to 175
2,000	5'4"	12'0"	7	1,735	100 to 200
3,000	5'4"	17'11"	7	2,432	150 to 300
4,000	5'4"	23'10"	7	3,130	250 to 500
5,000	6'0"	23'8"	1/4"	5,089	500

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3,000	5'4"	17'11"	7	2,312	300.00
4,000	5'4"	23'10"	7	3,010	400.00

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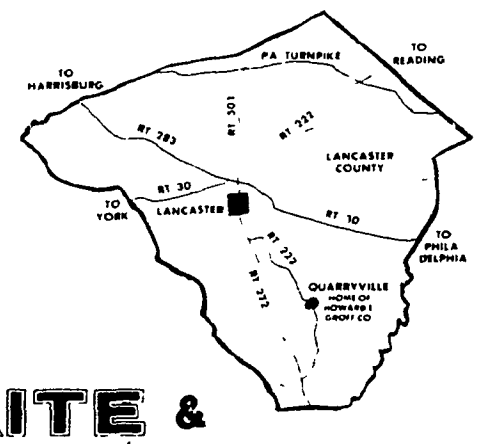

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Milk haulers feeling the squeeze

UNIVERSITY PARK — Caught in a squeeze between high operating costs and inefficient route planning, bulk milk haulers are in jeopardy. Their problem is of vital concern for the entire milk industry because the haulers are the connecting link between production and product.

The solution, says James G. Beierlein, Penn State professor of agricultural economics, lies in a joint effort by haulers and dairy cooperatives to develop better controls and management of hauling routes, costs, and rates.

There are three management tools haulers and cooperatives can use for greater efficiency and stability, according to Beierlein. They all focus on some aspect of cost controls - the ability to determine the precise cost per mile and per hundredweight of each route. On the basis of this information, haulers can bargain effectively for profitable hauling rates - and cooperatives can negotiate the best rates for their members from the pool of available haulers.

The first management tool is based on a program for hand-held programmable calculators developed at Cornell University. It can determine a hauler's cost of operation per mile and per hundredweight for individual routes. It can also calculate these according to changes in cost components such as fuel, labor, maintenance, and replacement.

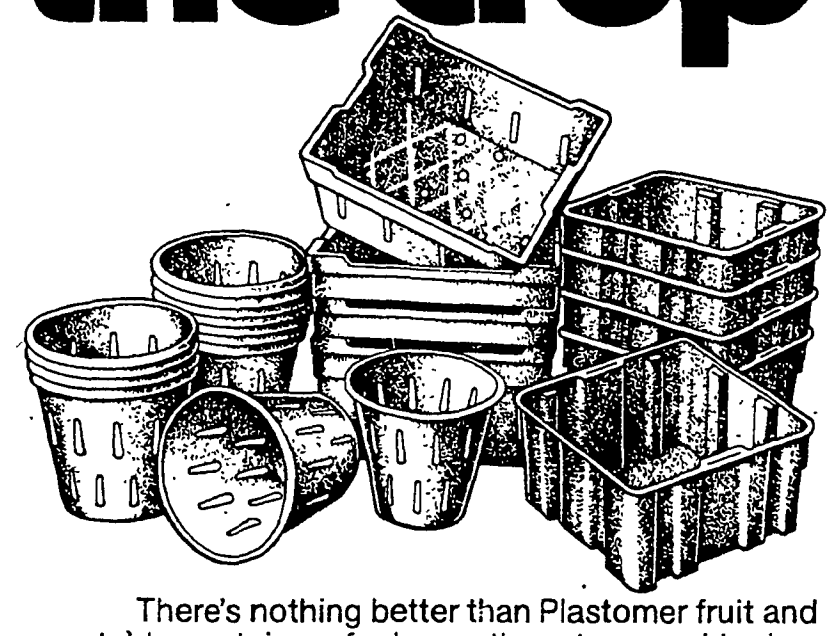
The second management tool is a survey of all Pennsylvania milk haulers conducted in conjunction with the Pennsylvania Milk Marketing Board. Once compiled, data on number and length of routes, costs and types of trucks used, and much more information, will help haulers, cooperatives, and others to keep up with changes in bulk milk hauling costs. The survey will strengthen the negotiation process for all.

The third management tool concerns an examination of routing systems. Once the location and quantity of milk at each farm in the cooperative is identified, daily routes can be planned by the cooperative for the system as a whole. Using a system basis, cooperatives can also determine the impact of individual accommodations such as choice of hauler, time of day, and days for pickup. Combining system-wide routing with haulers' costs of operation, it's possible to determine the costs of additional accommodations.

Cooperatives can submit their routing for computer analysis. It may be possible to reduce route mileage, and the number of vehicles necessary to cover the routes. Computer analysis is available.

A solution to the severe financial stress of the bulk milk haulers is in everyone's interest. Better management and cooperation by farmers, haulers, and dairy cooperatives can insure the good health and survival of this critical link in milk marketing systems.

Pick of the crop



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Lancaster County DHIA Monthly Report

dhia — Pennsylvania Dairy Herd Improvement Association

June, 1982

A Registered cow owned by John P. Lapp, R1, Leola, completed the highest 305-day lactation Grace produced 23,776 lbs. milk, 1,024 lbs. of butterfat with a 4.3 percent test. Second high lactation was completed by a Registered Holstein cow owned by J. Mowery Frey Jr., 401 Beaver Valley Pike, Willow Street. Ralinda produced 24,396 lbs. of milk, 958 lbs. of butterfat with a 3 9 percent test in 305 days

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OWNER NAME OR NUMBER	BREED	AGE	DAYS IN MILK	LBS. MILK	% FAT	LBS. FAT
John P Lapp						
Grace	RH	6-11	305	23,776	4 3	1,024
J Mowery Frey Jr						
Ralinda	RH	8-5	305	24,396	3 9	958
Missy	RH	3-10	305	23,566	3.7	870
Anna	RH	6-1	305	22,010	3 5	771
Pequea Meadows Farm						
11 Omjst	RH	5-9	305	25,414	3 7	945
101 Msty	RH	10-2	305	19,040	3 8	730
Paul V Nissley						
Lana	RH	4-3	305	23,284	3 9	905
Apple	RH	6-11	305	20,226	4 2	841
Heidi	RH	4-5	305	21,453	3 9	826
Kay	RH	5 2	305	21,499	3 6	774
Lenewood Farm						
Penny	RH	7 8	305	20,492	4.4	905
Sneaker	RH	3-11	305	22,191	3 7	819
Jacob S Dienner						
Bell	RH	6 7	305	23,053	3 9	904
Patches	RH	8-11	305	19,463	3 9	752
Ray P Bollinger						
Tess	RH	10-8	305	19,042	4 7	904
Penny	GrH	2-11	305	17,750	4 1	727
Martin E Ressler						
Pam	RH	7 2	305	20,410	4 4	903
John L Landis						
187	GrH	4-6	305	24,522	3 7	899
108	GrH	2-0	305	20,550	3 6	733
J. Robert Kindig						
Sparkel	RH	6-6	305	22,714	3.9	897
S Lady	RH	6-9	305	19,379	4.3	830
Misty	RH	4-10	305	18,609	4.4	826
Weaver Homstead Farm						
84	GrH	4-9	305	19,944	4.4	886
34	GrH	4 1	305	24,841	3.5	875
43	GrH	2-11	305	19,852	4.2	828
42	GrH	3-3	305	19,885	3.9	777
55	GrH	3-8	305	17,583	4.4	776
159			305	18,804	4.1	769
50	GrH	4-9	305	19,141	3 8	718
Jonas O. Sensenig						
21	GrH	5-2	305	18,784	4.7	885
17	GrH	4-9	305	17,752	4 1	719
Jay E Landis						
Lucall	RH	4-0	305	24,188	3 6	880
Riehlee Farm						
B5	RH	7-6	305	22,830	3.9	880
Mabel	RH	3-3	305	20,967	3.5	726
Robert H Kauffman						
Winner	RH	4-9	305	19,086	4.6	873
Dolly	RH	3-3	305	21,111	4.0	836
Joni	RH	7-7	305	18,441	4.5	821
Jill	RH	5-0	305	24,778	3.3	817
Sherry	RH	2-2	305	17,355	4.4	759
Susie	RH	4-2	305	17,148	4.4	752
Christian Zook						
Bonnie	RH	7-10	305	20,186	4.3	872
Butrcup	RH	7-1	244	21,791	3.7	811
Dan S. Stoltzfus						
Haysd 35	RH	8-7	305	20,630	4.2	870
Katie 86	RH	5-8	305	19,921	3.9	772
Aaron Z. Martin						
4	RH	3-11	305	23,333	3.7	869
442	RH	6-3	305	22,067	3.7	819
15	RH	3-0	305	23,044	3.4	792
2	RH	3-6	288	20,989	3 7	776
Earl R. Hursh						
Molly	RH	8-8	305	21,716	4.0	868
Kreider Dairy Farms						
818	GrH	4-7	305	21,119	4.1	866
863	GrH	4-0	305	18,893	3 9	736
John E Glick						
Mary	GrH	7-3	225	19,077	4.5	866
Bonitia	GrH	4-4	305	17,339	4 1	704
Paul H Martin						
Eden	RH	3-11	305	23,138	3 7	863
Galen W. Crouse						
Anabele	RH	6-3	305	20,425	4 2	862
Lass	RH	3 7	305	21,228	4.1	861
Grace	RH	3-9	305	16,788	4 8	803
Rockett	RH	5-11	305	18,850	3.9	734
John Z. Beiler						
Emma	RH	7-0	305	22,003	3 8	847
Trixie	RH	3-2	305	21,765	3.4	740
Marlin R. Beiler						
Gay	RH	6 1	305	22,080	3 8	845
Curtis E. Akers						
Brenda	RH	8-0	305	23,147	3.6	839
Hiram S. Aungst						
Irene	RH	8-6	305	23,019	3.6	839
Benuel Z. Lapp						
Eyvilen	GrH	7-5	295	21,467	3 9	836
Karen	RH	5-8	265	26,740	3 0	794
J Robert Metzler & Son						
Angie	RH	4-1	305	21,187	3 9	836
Noah Kreider & Sons						
261	GrH	7-7	283	19,395	4 3	836
Marvin K Witmer						
Margie	RH	3-7	305	20,650	4.0	835
James & Paul Hursh						
146	GrH	3-11	367	18,541	4 5	834
148	GrH	3-6	305	19,016	3 9	737
Ivan Z. Martin						
Starlit	RH	5-1	305	20,380	4.1	833
Agnes	RH	6-2	305	16,328	4.4	717
Meadow Vista Farm						
Coco	RH	3-6	305	19,112	4.3	829
Alberta	GrH	4-1	291	19,384	3.8	742
Tonya	RH	4-7	288	16,266	4.3	707
Paul B. Zimmerman						
Madlyn	RH	4-10	305	22,837	3.6	828
Echo	RH	4-8	305	18,316	4.0	725
David B. King						
Valery	RH	5-8	305	20,859	4.0	827
Water-Flow Farm						
Carla	RH	4-0	305	20,071	4.1	826
Stream	RH	3-6	305	22,028	3.6	801
Roseann	RH	4-2	305	20,028	3.7	748
Donald M Eckman						
Beauty	RH	7-2	305	21,187	3.9	824
Phyllis	GrH	5-6	305	20,536	3.8	788
C. Dale Bollinger						
Katie	RH	6-11	305	24,078	3 4	823
David R. Stoltzfus						
31	GrH	6-3	305	20,673	4.0	819
Jonas E. Zook						
Flossie	RH	2-4	305	18,191	4.5	819
Helen	RH	4-4	305	19,560	3.8	747
John S. Zimmerman						
46	GrH	3-11	305	18,912	4.3	815
103	GrH	6-9	305	21,100	3 8	794
35	GrH	4-10	305	20,711	3.6	751
Melvin R. Eby						
Alicine	RH	7-8	305	24,130	3 4	812
Edgefield Farms						
Doll	RH	3-6	305	21,323	3 8	810
Lucky	RH	3-5	305	20,468	3.6	734
Welsh-Vista Farms						
Lexie	RH	5.7	305	18,911	4 3	808
Elam Petersheim						
Pansy	RH	5-11	291	20,078	4.0	807
Catchy	RH	2-1	284	15,284	5.0	760
Bell	RH	3-2	305	22.188	3 2	700

(Turn to Page D12)

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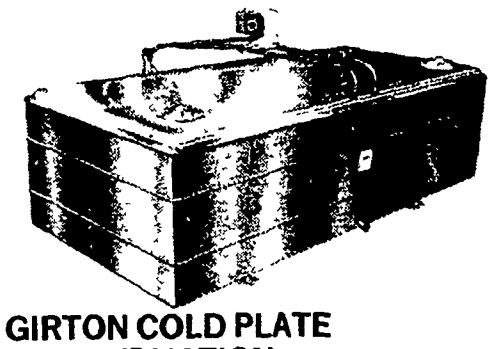

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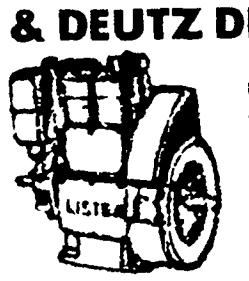
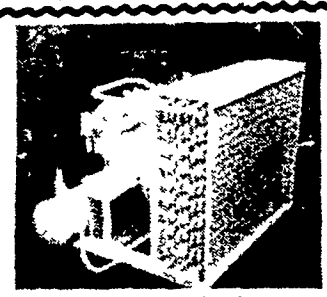


2 Cyl. F2L-912



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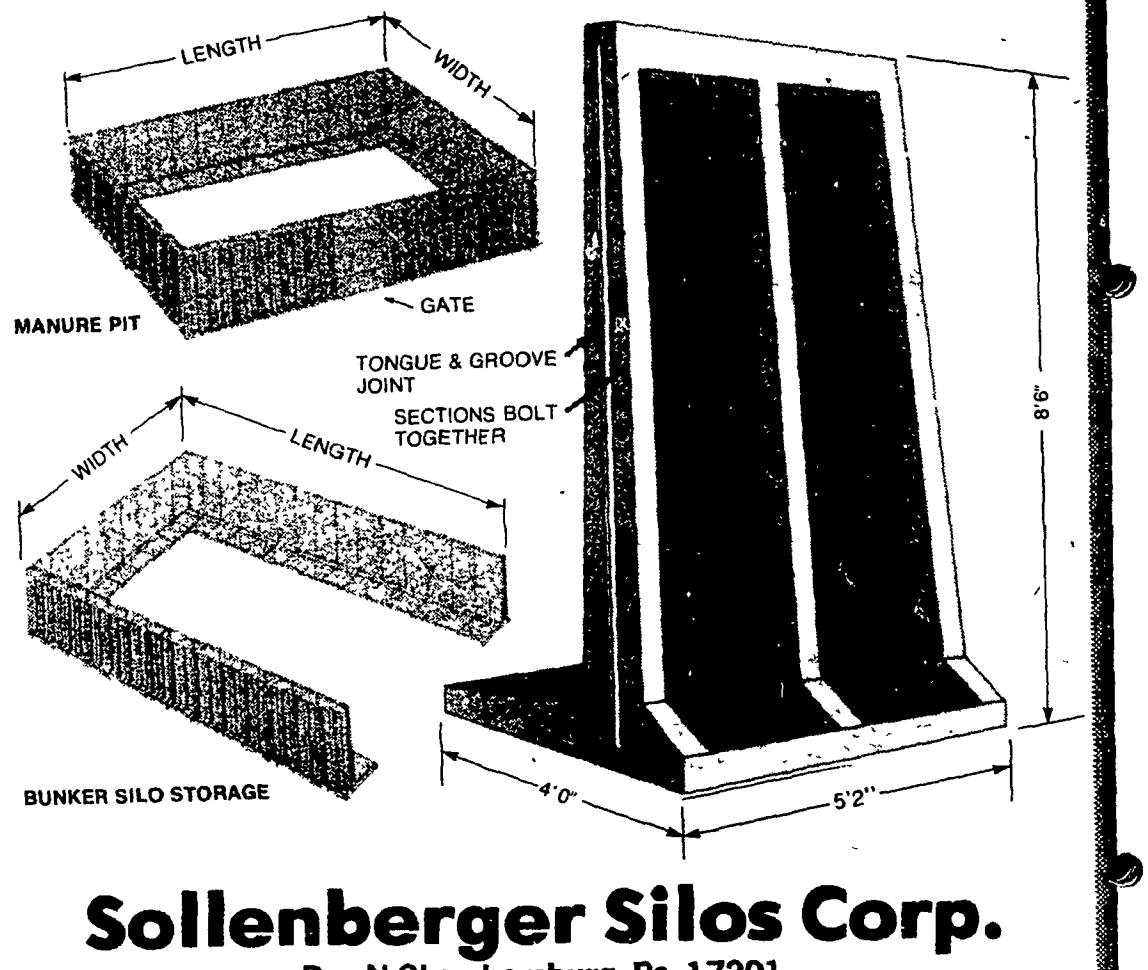
80	376	504	630	753
90	431	576	720	862
100	485	648	808	971
110	539	720	900	1078
120	593	792	989	1187
130	648	864	1080	1296
140	688	936	1170	1376
150	755	1008	1260	1510
160	808	1080	1350	1616

*BASED ON LEVEL FILL WITH 45 LBS. PER CU. FT.



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Dairy Pipeline

By
Glenn A. Shirk

Extension
Dairy
Agent

Cutting Feed Costs

Forages usually form the backbone of our dairy feeding program for two reasons; they usually are cheaper and cattle are ruminant animals, and ruminants need some forage in their ration.

Recently though, the availability, the quality and the cost of forages, particularly hay, has become an item of concern among dairymen. As we attempt to keep costs in line, we may need to look at alternative feeds and feeding programs.

This is an attempt to share some cost-saving ideas with you. The list is not complete, and these ideas will not fit every farm situation. They are something to think about, but you'll have to give careful consideration to what is best for your own particular situation.

More Grain - Less Forage

Grain is cheaper to buy than forages; thus, it is a better buy than forages, particularly hay. For example, if shelled corn is selling for $3.00 a bushel and 50% soybean oil meal is $249 per ton, you can afford to pay up to $82.40 a ton for average alfalfa hay and $30.80 per ton for average quality corn silage at 65% moisture. How does that compare with the prices you have been paying?

These price comparisons only consider the value of the protein and energy in the forage. No allowance has been made for the value of the "forage factor" in the feed, vitamin and mineral content, convenience of handling, etc.

So, if you have been buying a lot of forage, it may pay you to feed less forage and purchase more grain. A word of caution though: remember, cows are ruminants and they need a minimal amount of forage dry matter and fiber to maintain normal rumen activity plus good health, good production and good tests.

A good general guideline would be to feed at least 1.8 pounds of forage dry matter per hundred pounds of body weight and to have at least 50% of the total dry matter intake come from forages. These guidelines can be stretched for short periods of time if cows are already healthy; you can drop down to as low as 1.5 pounds of forage dry matter per 100 pounds of body weight and to as little as 40% of the dry matter coming from forages. But remember, when you do this, you are flirting with danger.

Nevertheless, it may help you pack more energy and more dry matter into those early lactation cows in peak milk flow. If you do this, you'll want to have the cows on a good dry-cow program and you'll want them to come fresh with good appetites and a healthy rumen.

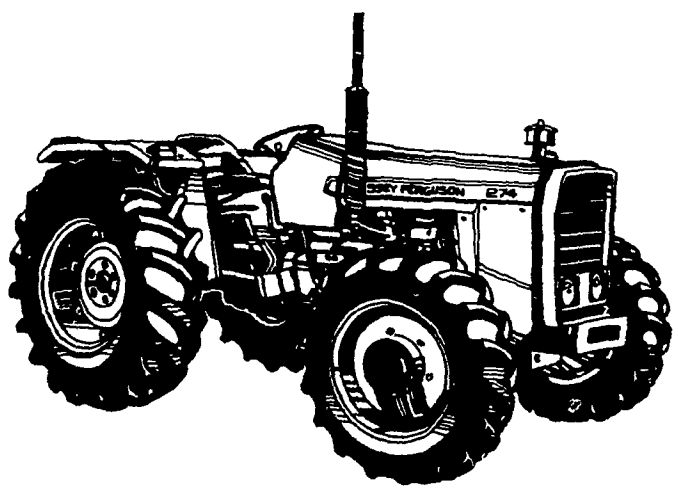
If you are feeding more grain and less forage, consider feeding more frequently; it is less upsetting to the rumen. A total mixed ration will help you obtain the same results as frequent feeding. So will the use of some of the computerized feeders.

Cheaper Forages

I mentioned earlier that right now, grains are a better buy (cheaper) than forages. Similarly, corn silage may be a better buy than hay. Compare the prices earlier in this article and see which is most out of line with current market prices.

With this in mind, it may be cheaper to feed more corn silage and less hay. For a guy who likes hay crop forage as much as I do, that is a hard recommendation to

(Turn to Page D12)



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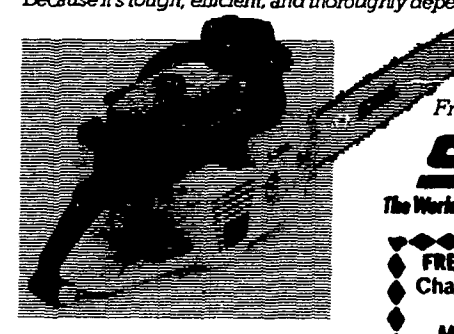

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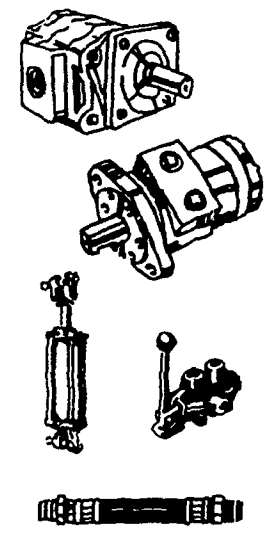

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(Continued from Page D10)

David S. Zimmerman						
151	GrH	6-2	305	20,898	3 9	806
164	GrH	5-5	305	20,307	3 9	783
Lester M Weaver						
101 A	RH	8-7	305	16,770	4 8	806
65 C	RH	5-7	305	21,349	3 6	769
Ivan Zook						
96	GrH	4-6	302	19,287	4 2	804
Richard G Wenger						
Fern	BrSw	7-6	305	15,295	5 3	804
Bennie L Fisher						
Archie	RH	5-0	305	21,609	3 7	801
John H. Howard						
Connie	RH	4-2	305	20,989	3 8	795
Robert E Kulp						
	RH	5-6	305	32,003	2 5	794
Hammer Creek Holstein						
10	GrH	5-1	305	17,520	4 5	793
Ben S. Stoltzfus						
Cindy	GrH	6-9	305	22,067	3 6	792
Tulip	RH	5-8	305	18,713	4.1	765
Barby	RH	5-3	305	17,920	4.0	723
Jonas B King						
Barb	RH	6-11	305	21,611	3.7	792
Rohrer Brothers						
Rose	RH	5-1	305	23,553	3 4	791
Ivan S. Stoltzfus						
Hazel	RH	5-7	305	22,467	3.5	791
Blanch	RH	4-7	305	18,130	4.0	722
E. S. Win Farm						
Mary	RH	2-8	305	21,925	3.6	791
Flo	RH	3-3	305	23,283	3.2	750
Willis M. Martin						
Gladys	RH	4-9	305	17,553	4.5	791
J. Harold Musser & Son						
48	RH	5-0	305	17,856	4.4	788
51	RH	8-10	269	18,535	4.2	776
Jonas E. Stoltzfus						
Cindy 8	RH	5-5	283	20,227	3.9	786
Shona 31	RH	3-3	305	20,074	3.7	742
Laura	RH	4-10	290	18,764	3.9	734
Amos E. King Jr						
Jennie	RH	6-1	305	22,344	3.5	784
J. Ray Ranck						
Suellen	GrH	7-0	305	21,365	3.7	784
Tot	GrH	3-1	305	20,802	3.4	717
Harold G. Shelly						
Tammie	RH	4-0	300	21,353	3.7	784
Donald R. Bare						
86	RH	3-5	305	19,361	4 0	784
92	RH	3-2	305	18,081	3 9	706
A. Dale Herr						
36	GrH	5-10	305	17,759	4.4	784
Clyde W Martin						
Rosy	RH	3-0	305	23,986	3.3	783
Peggy	RH	4-9	305	22,713	3.4	776
J. Floyd Kreider						
6	RH	8-1	305	19,701	4.0	782
Vernon R Umble & Son						
Trixie	RH	4-6	297	18,967	4 1	780
Marcia	RH	3-1	305	19,478	3.8	731
Rhelda & Lynn Royer						
Jacki O	RH	4-4	305	23,251	3.4	779
Aspirin	RH	4-5	305	23,015	3 1	714
John M. Harnish						
Nan	RH	4-8	305	20,344	3 8	779
Thomas C. Lapp						
Pet	RH	8-3	305	23,436	3.3	777
Lucy	RH	8-9	305	18,628	4.0	743
Butrcup	RH	4-5	305	20,663	3.6	735
Wilmer R. Martin						
MBrenda	RH	5-9	305	21,634	3 6	771
Ardith	RH	4-5	305	21,429	3 5	743
Elam K. Stoltzfus						
Whirl	RH	6-7	305	19,961	3.9	771
Glenn P. Book						
Snowball	RH	4-2	305	19,073	4.0	771
Harlan W. Hoover						
5	GrH	6-9	305	21,506	3.6	769
31	GrH	3-3	305	16,511	4 4	721
Eli S. King						
87	RH	4-5	305	17,794	4.3	769
13	RH	4-11	305	19,333	3.8	728
Titus B Stoner						
Sis	RH	7-1	305	20,566	3.7	766
Vilolet	RH	6-2	305	19,491	3.8	737
Trula	RH	5-1	305	22,204	3.3	731
Charcoal	RH	3-4	305	17,877	4.0	719
K. D. & Elsie Linde						
Brille	RG	4-1	305	14,505	5.3	766
Scott & Lisa Martin						
Clyde	GrH	6-1	305	23,298	3.3	765
Dan L. Stoltzfus						
June	RH	5-5	305	16,560	4.6	765
Robert L. Shelly						
Rita	RH	5-6	305	19,295	4.0	764
G. M Weaver						
Betty	GrH	4-9	305	18,078	4.2	764
Jay L. Ranck						
Sheryl	RH	10 6	305	17,731	4.3	764
Jonas S. Beiler						
Rainbow	GrH	6-1	305	24,970	3.1	763
Marvin Reed						
Mary	RH	2-10	305	19,063	4.0	763
Luke E. Martin						
56	GrH	7-9	305	21,687	3 5	762
John Omar Stoltzfus						
Dixie	RH	4-8	305	22,691	3.4	761
Eli S. King						
86	GrH	3-4	305	19,587	3.9	761
John A. Brubaker Jr.						
Terry	RH	3-11	305	20,541	3.7	757
David E. DeLong						
Norma	GrH	6-7	305	22,966	3.3	756
J Harold Fritz						
34	GrH	5-9	305	18,165	4.2	755
Emanuel B. Lapp						
Joy	GrH	7-5	278	16,540	4.6	755
J Earl Horst						
Della	RH	5-5	305	21,262	3.5	754
Andrew G. Miller						
Melody	RH	4-6	305	19,243	3.9	754
Cheryl	RH	4-7	305	17,844	4.0	718
Cedar Fringed Farm						
Ema	RG	5-1	305	17,574	4.3	754
Honesty	RG	6-2	286	15,366	4.9	747
Honetta	RG	4-3	305	18,442	4.0	738
Mercy	RG	6-0	305	14,821	4.8	712
J. Richard Boll						
200	GrH	6-4	305	20,998	3.6	753
Elmer H. Weber						
Letty	GrH	5-10	305	21,257	3.5	750
Abram M. Stoltzfus						
Barb	RH	3-6	305	20,903	3.6	750
Neff Brothers						
Fern	RH	8-7	305	19,509	3.8	750
Robert G. Hershberger						
72	RH	4-11	305	18,732	4.0	750
Glenn F. Shenk						
Lynn	GrH	5-8	305	22,352	3.4	749
Samuel B. Lapp						
Sandy	RH	4-10	305	21,670	3.5	748
Benuel S. Stoltzfus						
2155	GrH	3-3	266	17,969	4.2	748
Jay L. Bixler						
Trish	RH	5-11	305	16,144	4.6	748
Ken & Nelson Stoner						
181 Dus	RH	6-0	305	20,681	3.6	747

(Turn to Page D13)

Dairy Pipeline

(Continued from Page D11)

make, but the mightier dollar speaks.

Buying corn silage instead of hay has some other advantages too. it is easier to buy good quality in corn silage than it is in hay. Chances are, you'll be buying silage in much larger quantity and from a single grower. That means the quality should be more consistent. And, because you are buying in large quantity, you have a supply large enough to justify sampling and feed programming. That means you'll have fewer ration changes — you won't constantly be changing from one batch of hay to another — and you'll be able to keep your cows on a more balanced ration. Hopefully, they won't go off feed, they'll produce better, and you'll reap the profits.

There is another side of the story too. Is silage corn available for purchase in your community — hopefully at harvest time? I prefer not to transfer silage from one silo to another; it's costly, you lose some feeding value, and you increase the risk of spoilage. True, you may have to borrow money to purchase it at harvest time, but I think I would sooner pay the interest than to pay a higher price for silage later, and run the risk of lower quality and poorer herd performance.

Another question is do you have storage? If not, consider a stack or a bag. True, they are not convenient and you'll have some spoilage losses with the stack or you'll have the expense of buying and filling the bags. But, this could still be cheaper than buying high priced hay of mediocre and varying quality and the problems of not having cows on a balanced ration or throwing them off feed with a new hay purchase.

If you want to feed hay and you have limited acreage, consider growing hay instead of growing corn. As suggested earlier, you can buy corn grain or corn silage. If you decide on this, be prepared for some changes; you'll be spending much more time in the field, and you'll have some hay losses associated with weather damage.

Forage Extenders

A number of feed companies have a variety of forage extenders that can be used to help replace some of the forages in the ration, and they may be a better buy than expensive hay.

If you feed less forage, you may want to increase the fiber content of your grain mix. You'll also want to consider using a mixture of buffers in the ration, and you may want to be concerned about using too much heat-processed feeds, such as some of the flaked and pelleted feeds.

What ever changes you make, be sure to work closely with your feedman and feeding consultants. You don't want to foul up your herd in the process of saving a few feed dollars!

Before making any drastic changes, push the pencil and analyze your situation carefully. These ideas are only intended to get you to thinking. They won't work for every situation, but they may help some of you.

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- Z Brand Dried Molasses - 50 lb. Bag
- Honey Brook Energiblock - All Natural 20 - No. Urea
- Energiblock - Hi Protein 36
- Energi Cubes for Horses

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- ★ SORGHUM SYRUP
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- ★ SHOO-FLY PIE MIX

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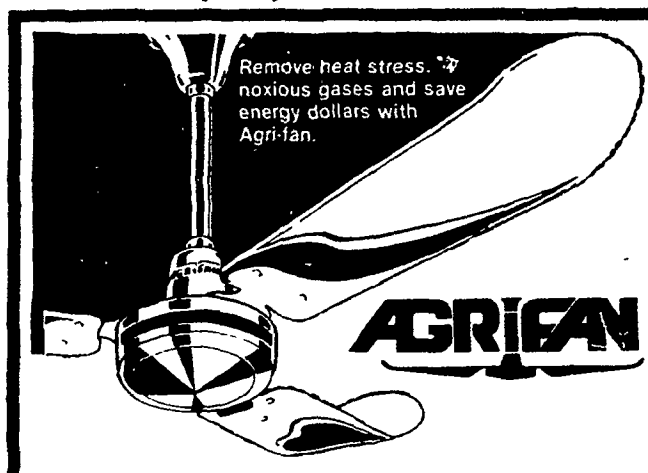

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- Uses less energy than 40W bulb at low-speed
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- Aerodynamically designed blades for maximum air delivery
- Down rods available in 10" lengths
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Lancaster Co. DHIA

(Continued from Page D12)

Emanuel S. Smucker						
Belle	RH	11-5	305	18,467	4 0	747
C. Witmer Sherer						
Olga	RH	9-9	305	18,197	4 1	744
Omar Smoker						
Dora	GrH	4-5	305	17,851	4.2	744
Eli H. Weiler						
12	GrH	7-7	305	20,980	3.5	743
Violet	RH	4-6	305	20,344	3 6	723
Aaron M. Fisher						
Janet	GrH	5-9	305	20,472	3 6	743
Nathan E. Stoltzfus						
Keljoy	RH	3-7	305	19,099	3 9	742
Fuzz	RH	4-9	305	18,147	3.9	706
Henry S. Lapp						
5	RH	5-7	305	20,397	3.6	741
Tom & John Harnish						
Sunbeam	RH	6-0	305	20,450	3 6	740
Sally	GrH	7-0	305	20,990	3 5	728
Meadow Springs Farm						
Wanda	GrH	3-11	305	17,637	4 2	739
John F. Petersheim						
28	RH	5 0	305	16,521	4 5	739
Samuel E Beiler						
Chief	RH	8-10	305	19,614	3 8	738
Ellis D Kreider						
157	RH	3-8	305	17,871	4 1	738
Graywood Farms						
155	GrH	3-7	300	19,908	3 7	736
256	GrH	5-6	305	18,600	3 8	701
Paul W. Zimmerman						
77	RH	4-8	305	21,595	3 4	735
David W. Sweigart						
71	RH	4-2	305	19,438	3.8	735
William W. Absher						
W 53	GrH	4-1	305	19,537	3.8	734
Harry Zimmerman Jr						
Bertha	RH	8-3	277	19,638	3.7	733
Emmanuel S Fisher						
Lily	RH	7-2	305	18,640	3 9	733
David K Stoltzfus						
Bob	RH	7-6	305	23,239	3 1	732
Earl E Martin						
Reba	RH	3-10	305	19,205	3 8	731
Harold K Witmer						
Corinne	RH	6-2	303	21,624	3 4	730
Nevin & Doneen Dourtie						
Maple	RH	4-7	305	20,427	3 6	729
Jacob M. Conley						
Baby	RH	5-11	299	17,533	4 2	729
John Omar Stoltzfus Jr						
Sue	RH	6-11	300	19,544	3 7	728
Ertha	RH	5-11	298	20,823	3 4	707
Omar B. King						
Anna	RH	9-0	305	18,919	3 8	728
John K Stoltzfus						
Bonnie	GrH	3-4	305	18,663	3 9	726

(Turn to Page D14)

ABS AMERICAN BREEDERS SERVICE

AMERICAN BREEDERS SERVICE

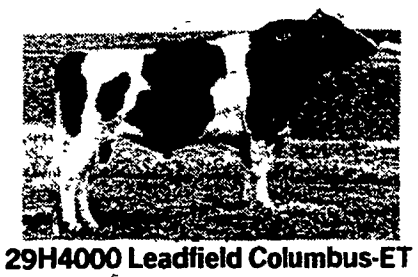
JULY 1982 USDA SIRE SUMMARY HIGHLIGHTS

One Sire Plus $300

29H4000 Columbus +$312 +2717M 48%R +.91 PDT +704 TPI

38 Sires Plus $200 or More 33 Holstein 3 Jersey 2 Guernsey

29H3364 Tiger	+$267	+2425M	59%R	+.80 PDT	+601 TPI
29H3064 Jason	+$261	+2136M	74%R	+1.30 PDT	+621 TPI
29J2793 Top Brass	+$233	+1669M	52%R	+1.9 PDT	
29G0811 Admiral	+$242	+1738M	66%R	+.1 PDT	



29H4000 Leadfield Columbus-ET

12 Sires Plus 2000 Lbs. of Milk or More

29H4000 Columbus	+2717M	48%R
29H2811 Chris	+2454M	98%R
29H3364 Tiger	+2425M	59%R
29H3845 Radar	+2042M	61%R
29H3303 Eric	+2028M	72%R

29G0811 Welcome Choice Admiral

4 Sires Plus 70 Fat Lbs. 13 Sires Plus 60 Fat Lbs.

29H3085 Elmer	+72F	72%R
29H4000 Columbus	+71F	48%R
29H3161 Print	+71F	76%R
29G0811 Admiral	+70F	66%R
29H3360 Hakim	+68F	59%R
29H3098 Dynamo	+60F	73%R

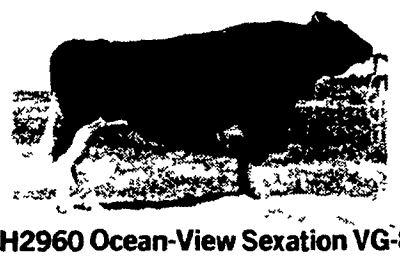
29H3098 Donacres Dynamo-Twin

34 Sires Plus PD% Test

29H3198 Koneta	+.21%	+822M	69%R
29H3093 Gland Slam	+.16%	+1009M	79%R
29H2775 Triple Threat	+.16%	+477M	99%R
29H4175 Politician	+.12%	+1066M	67%R
29H3183 Ken Royal	+.10%	+1217M	73%R

5 Sires Plus Over 2.00 PDT

29H2960 Sexation	+2.53 PDT	67%R
29H3760 Dixie	+2.49 PDT	49%R
29H3176 Jewel Maker	+2.20 PDT	67%R



29H2960 Ocean-View Sexation VG-88

1 Sire Over 700 TPI 3 Over 600 TPI 14 Over 500 TPI

29H4000 Columbus	+2717M	+.91 PDT	+704 TPI
29H3064 Jason	+2136M	+1.30 PDT	+621 TPI
29H3364 Tiger	+2425M	+.80 PDT	+601 TPI

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Clifford, PA	William Horton	717-222-3224
Coburn, PA	Wendel Musser	814-349-5310
Columbia, PA	James Charles	717-898-8694
Dornsife, PA	Steve Kieffer	717-758-1714
Ephrata, PA	Darvin Yoder	717-733-0966
Holtwood, PA	Paul Herr	717-284-4592
Lebanon, PA	Paul Martin	717-949-2381
Leola, PA	Lynn Gardner	717-656-6700
Linden, PA	Larry Bower	717-323-9710
Mansfield, PA	Harold Robson, Jr.	717-662-7731
Mifflinburg, PA	John M. Beachy	717-966-1344
Mifflintown, PA	Mervin Zendt	717-436-6386
Millville, PA	Wilmer Hendricks	717-458-5949
Prospectville, PA	William Tyner	215-542-8479
Reading, PA	Robert Greider	215-378-1212
Reedsville, PA	Glenn Barr	717-667-2775
Stewartstown, PA	Tom Engle	717-993-6836
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Ulysses, PA	Bonnie Barker	814-848-7674
West Grove, PA	Brian Geesaman	215-869-9187

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IN DELAWARE

Kirkwood, PA	Dan Rush	717-529-6548

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Elmer, NJ	Cyndy Hetzell	609-455-8187
Lambertville, NJ	Robert Fulper	717-658-7316
Port Murray, NJ	Robert Kayhart	201-689-2605

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Mt. Airy, MD	Allan Pickett	301-663-4191

Lancaster Co. DHIA

(Continued from Page D13)

Harvey W Stoltzfus						
Snap	RH	3-4	305	17,798	4 1	726
Creek Knoll Farm #1						
Wanda	RH	7 0	305	26,371	2 7	724
Paul S Smucker						
Rhoda	GrH	4-10	305	17,965	4 0	724
Jay-Bel Farm						
7	GrH	4-8	305	22,349	3 2	723
Henry & Omar Fisher						
Rose	GrH	5-0	305	18,116	4 0	723
J Richard Brenneman						
Orbit	RG	3-8	305	14,543	5 0	723
LeRoy S Weaver						
April	GrH	6-6	305	22,260	3 2	722
Thomas & Larry Aaron						
30	RJ	7-9	305	14,061	5 1	722
259	RJ	4-5	305	13,057	5 5	719
Albert E Fry						
Happy	RH	3-4	305	17,757	4 1	721
Robert W Campbell						
Tammy	RA	8-1	305	16,733	4 3	718
D Lamar Witmer						
Donna	RH	2-5	305	16,269	4 4	718
Aaron S Glick & Sons						
10	GrH	4-3	305	19,963	3 6	717
G & J Hershey Bros						
Star	RH	4-4	305	18,224	3 9	716
Harry L Troop						
Amanda	RH	5-8	305	20,996	3 4	715
Irwin W. Engle						
159	GrH	5-0	274	15,396	4 6	713
E Richard Bruckhart						
Posy	RH	8-4	305	17,711	4 0	712
J E & Shirley Hershey						
Gladys	RH	3-1	305	18,344	3.9	709
John L Beiler						
Verda	RH	7-1	305	19,720	3 6	706
Carl R. Martin						
Fobes	GrH	5-11	300	18,187	3.9	706
Albert Breneman						
21 Nyla	RH	7-8	305	16,036	4 4	706
H. Landis Weaver						
Candy C	RH	10-8	305	18,805	3.7	705
Paul D. Welk						
Doreen	RH	4-10	305	18,330	3.8	705
Kreider & Lusby						
36	GrH	4-9	305	17,215	4 1	704
Joseph DeLong						
19D	GrH	6 0	305	17,148	4.1	704
Levi E Stoltzfus						
Sadie	GrH	4-8	305	21,420	3.3	702
Parke H Ranck						
Vicky	RH	4-3	305	16,581	4 2	701
Loren L Zimmerman						
Holly	RH	8-9	305	18,493	3 8	700

dhia Pennsylvania Dairy Herd Improvement Association

Juniata County DHIA Monthly Report

June 1982

OWNER	BREED	NO. COWS	LBS. MILK	LBS. FAT
Harold B. Shearer	H	87.9	19,407	735
Charles Wochley	H	90.1	18,672	732
James C Graham	H	86.9	18,764	717
Freeburn & Norman Love	H	85.7	18,169	703
Mark L Zook	H	88.2	18,555	699
James L. Swartz	H	88.8	18,926	697
Larry & David Noss	H	85.8	17,816	694
R.E. Shearer & Sons	H	86.8	18,608	691
Roy & Glen Henry	H	88.4	18,706	677
W. Harshbarger & Sons	H	86.3	17,119	676

OWNER NAME OR NO.	LBS. OF MILK	LBS. OF FAT
Grand Hope Farm		
9	24,001	959
46	19,885	800
George M. Stewart		
46	21,026	957
W. Harshbarger & Sons		
Inez	22,830	934
Iskcon Farm		
Conant	21,909	898
Mark L. Zook		
Imperia	20,386	883
Elmer A. Noss & Son		
Gail	21,380	875
Mervin R. Zendt		
Ginger	24,331	859
Glen B. Simonton		
32Lola	20,601	841
Raymond E. Kauffman		
Tam 100	22,654	831
Edmund K. Book		
Ellie 36	15,256	827
Larry & David Noss		
64	17,956	817
S.F. Metz		
Dot	21,753	816
James L. Swartz		
Kathy	20,253	809
Marvin E. Pontius		
Plenty	19,811	794

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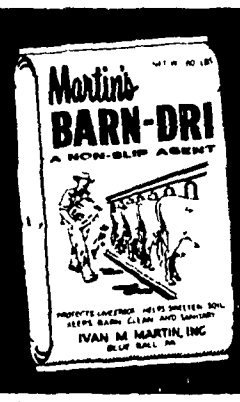

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OR
Norman Kolb
717-397-5538

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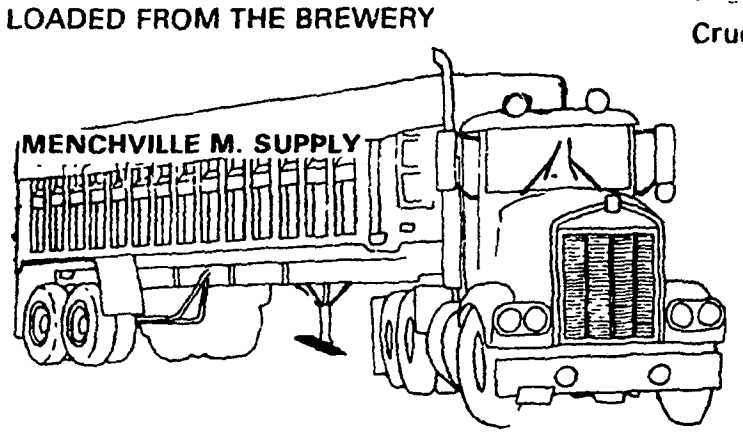
ANALYSIS ON 100% DRY BASIS

Crude Protein	24%/29½%
Crude Fiber	15%/16½%
Crude Fat	5%
NFE	38%

LOADED FROM THE BREWERY



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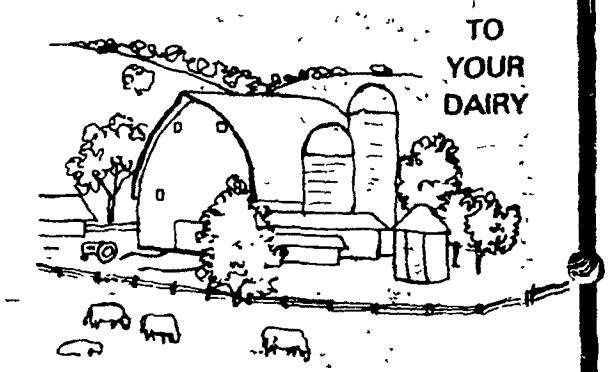


TO YOUR DAIRY

The Milk Check

TOM JURCHAK
County Agent

Pennsy Production

There has been a tendency of late for producers and politicans to shift blame for dairy industry supply/demand problems to the midwestern states. I guess it makes people feel better to point a finger at someone else when there's a problem but in this case, as usually happens, it only delays the decision making needed for a solution and tends to divide those whose support is needed to provide the greatest good for the greatest number.

No matter what the decision is, not everyone benefits (or suffers) uniformly. In the case of Pennsylvania role in increasing national milk production to 10 percent beyond the commercial and governmental demand, I believe we've contributed our share. Increases here have been nothing short of phenomenal when you consider that in 1960 we were producing 12 percent less milk than we were consuming in all dairy products and now we market 26 percent more than we eat or drink.

Living close to some high population densities inside and outside of the state have provided incentives to increase production — and there's nothing wrong with that — but let's see how we stack up nationally before we get defensive about "who's problem is it?"

The First Five

For a long time Pennsylvania has been in the top five states in milk production along with Wisconsin, California, New York and Minnesota, in that order. Last year these states produced over half the milk in the nation with Wisconsin contributing 17 percent; California, 11; New York and Minnesota, 8; and Pennsylvania, 7 percent.

They were in the same order back in 1979 — the last year that national supply and demand were in balance — but since then Wisconsin and California have each lost one percent of their share of the national production and New York, Minnesota and Pennsylvania have gained about a half percent but in total they were making over half the milk in the country that year also.

State Increases

Looking at the annual increases in each of the top five states as a percent of the previous year's production, Pennsylvania has been in second place three of the five years since 1977. We had first place in 1977 and tied with Minnesota for the top spot last yeear. Total increases in the top five states since 1979 were 13 percent in California and eleven percent in Pennsylvania followed by Minnesota with 10 percent and much further down the line New York with four and Wisconsin with 3.5 percent.

The increases in pounds of milk for the same period for the top five states was 4.6 billion pounds with California contributing 36 percent to the increase followed by Pennsylvania and Minnesota with 19 percent; Wisconsin with 16 and New York with nine percent.

Putting it all together it appears that Pennsylvania was second only to California so you can say we've done our share of increasing with the best in the country.

Sun Belt Milk

Whenever someone talks about percentage increases in milk production the real record holders are in the "sun belt" states that have had recent population increases with shifts away from the "frost belt" states.

The most dramatic increases have been just within the last year and the top five states are New Mexico, Idaho, Arizona, Utah and Colorado, in that order, with increases from eleven to eight percent in 1981.

However, the total milk production of all these states is only six billion pounds or less than five percent of the national production and only about two thirds of what we produced in Pennsylvania alone. So, percent production increases in these states are not very important in the national supply/demand situation and, for the most part, represent milk deficient areas because of increasing population.

A Spade a Spade

There will be a flood of rhetoric on dairy industry problems from now to election time and you may hear a great deal of what someone thinks you want to hear — and you may enjoy listening — but try to keep your feet on the ground and don't be afraid to ask questions especially of speakers with easy answers.

Individual states may take different approaches but milk is produced in nearly every one of the 3,000 counties in the country and is more of a national commodity than any other farm product. We're also going to need friends wherever we can find them before we're through with this one, so let's not alienate anyone before we get started.

Pa. milk production up

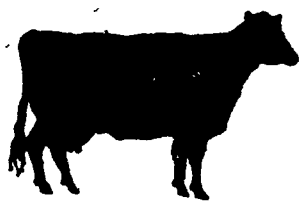
HARRISBURG — Milk production in Pennsylvania during June 1982 totaled 793 million pounds, up three percent from a year earlier according to the Pennsylvania Crop Reporting Service.

The number of milk cows in the Commonwealth averaged 721,000 head, up 6,000 head from a year ago with milk production per cow in June averaging 1,100 pounds, up 20 pounds.

Milk production in the state during the April-June quarter totaled 2.4 billion pounds, three percent above the same period in 1981 and six percent above the first quarter of this year. Milk production per cow for the quarter averaged 3,317 pounds, 57 pounds more than in the second quarter last year.

Grain and other concentrates fed to milk cows in the Commonwealth on July 1 averaged 14.7 pounds per head, down 0.1 pound from last year at this time. The value of grains and other concentrates fed to milk cows averaged $8.10 per hundredweight, down $1.10 from a year earlier.

Milk production in the nation during the April-June quarter totaled 35.5 billion pounds, one percent above the same period last year and eight percent above the first quarter this year. Milk production per cow for the quarter averaged 3,233 pounds, seven pounds more than in the second quarter last year. Total milk cows in the United States averaged 11.0 million head during the quarter, about one percent more than the 1981 April-June average.



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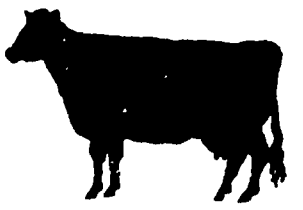

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Chester County DHIA Monthly Report

dhia
Pennsylvania Dairy Herd Improvement Association

The cow with high fat was owned by John M Umble &Sons.
The cow with high milk was owned by Jefferson D Yoder

OWNER NAME OR NUMBER	BRD	AGE		LBS. MILK	% FAT	LBS. FAT
John M Umble & Sons						
Wimpy	3	5-3	305	23,434	4 4	1040
A. Dudley & Son						
49	3	4-2	305	21,768	4.7	1014
Jefferson D. Yoder						
84	3	6-9	305	26,230	3.8	994
41	3	5-5	305	23,630	4.0	952
87	3	3-7	305	20,888	3.6	762
50	3	3-9	305	19,139	4.0	762
27	3	3-11	305	22,389	3.3	730
90	3	6 10	305	21,711	3.3	706
Ardrossan Farms						
Pearlna	1	4 7	305	24,950	3.7	929
Hkminty	1	6-10	305	22,077	4.0	891
Mbchime	1	3-5	305	20,873	4.0	840
Hsnodwn	1	3-7	305	17,943	4.6	827
Torqois	1	3 8	305	21,625	3.8	811
C Betty	1	8-0	305	21,537	3 7	793
Hbetina	1	2 6	305	18,389	4.3	784
Xruby 2	1	7-9	305	19,189	4 0	766
Smistep	1	3-3	305	17,157	4.3	739
Boysmin	1	7-0	302	19,965	3 7	738
Mweezie	1	3-6	305	17,926	3.9	708
Belmont	1	2-7	305	15,371	4.6	700
Paul King						
Golden	3	7-3	305	21,810	4 0	881
Beth	3	2-6	305	18,894	4 0	761
Melanie	3	3-1	305	21,710	3 4	745
H & R Mason						
848	3	8-8	305	21,034	4 2	879
10G	3	6-11	305	20,866	4 0	844
107B	3	5-7	284	17,204	4 5	771
106A	3	6-6	305	21,494	3 7	763
Kenneth Umble						
Charlot	3	4-0	305	25,312	3.4	873
Robert E. Pepple						
14	3	5 4	305	21,834	3 9	860
35	3	7-0	305	19,914	4 1	826
1	3	3-8	305	18,383	4 3	788
Donald Hostetter Jr						
Melba	3	8 4	305	23,501	3 6	856
Farmer	3	4-10	305	19,574	3 7	725
Jolly	3	7 8	305	20,505	3 5	723
Jonas B Stoltzfus						
Crocker	3	6 10	305	24,398	3 5	847
Tam	3	9 8	305	16,844	4 4	737
Ada	3	8 9	305	18,218	3 9	703
Melwood Farm						
Sue	3	7 3	305	23,370	3 6	843
Nora	3	2 6	305	21,653	3 6	787
Charles J Moore						
Penny	3	4-1	305	22,651	3 7	842
Spottie	3	4 4	305	22,937	3 3	766
57	3	4 9	305	22,650	3 3	751
Pet	3	4 3	305	21 769	3 4	746
Hargret Dairy Inc						
Glenna	3	4-0	305	23,090	3 6	836
117	3	4-0	305	20,888	3 5	729
72	3	4-2	288	19,150	3 8	724
Merle J. King						
Special	3	8-2	305	19,196	4.3	832
Fanny	3	4-4	305	19,973	3 7	737
Pearl	3	2-4	305	19,637	3.7	728
Round Top Farm						
55	3	6-6	305	21,067	3 9	817
61	3	6-8	305	21,525	3 5	761
David Walton						
Sabrina	3	8-6	305	22,459	3.6	816
Wilkinson Farm #1						
1216	3	3-7	305	21,921	3.7	801
Walmoore #3						
0007	3	2-9	305	21,139	3.8	800
838	3	3-6	305	21,891	3.6	785
841	3	3-7	305	16,329	4 3	702
Vernon Guest & Son						
Carmen	3	5-6	305	20,505	3.9	800
Eleanor	3	4-11	305	22,087	3.6	793
David Windle						
Skinny	3	9-11	305	17,937	4.4	797
Hornie	3	8-11	305	21,828	3.4	748
George P. Lamborn						
Leah	3	4-1	305	24,947	3.2	789
Lesly	3	3-1	305	22,632	3 4	770
Lester Eby						
Viola	3	4-4	305	21,281	3.7	782
Kitt	3	3-11	290	19,518	3.7	721
Horace Prange						
Betsy	3	5-0	305	17,787	4.4	776
Lora	3	4-8	305	16,829	4.2	703
Martin M Weaver						
97	3	6-11	305	18,077	4.3	773
26	3	4-10	305	22,484	3 3	740
Harvey Reift						
Katrina	3	5-8	305	20,197	3 8	772
Joseph S King						
Tidy	3	5 7	305	20,988	3 7	771
Gottlieb Strohmaier						
57	3	5-0	305	18,272	4 2	769
Ridglea Farm						
209	3	5 2	305	18,267	4.2	762
Breck a-De Farm						
41	3	3-9	305	21,421	3 6	761
J. Elmer Lapp						
Lilian	3	3-9	277	19,031	4 0	752
Viola	3	5 7	305	20,157	3 6	733
Henry S King						
Kathy	3	5-3	305	18,913	3 9	747
Harry L Griest						
69	3	5 10	305	23,079	3 2	746
Walmoore						
746	3	8 1	305	22,806	3 3	746
1030	3	6 1	305	19,428	3 6	700
J. Kenneth Landis						
Vanilla	3	4 1	305	18,757	4 0	744
Richard Proud & Son						
829	3	3 1	305	18,820	3 9	740
Ben Beiler & I Barlow						
Paulet	3	3 11	305	17,680	4 2	738
Glen H Freese						
Bonnie	3	8-6	305	17,754	4.1	729
Floyd Miller & Sons						
/	3	5-6	305	20,864	3.5	728
Ronald F Elliott						
179	3	5-8	305	16,590	4 4	726
Honr 219	3	3-10	305	18,248	3.9	709
241	3	2-0	305	18,119	3 9	703
Parry Bros						
650	3	5 5	305	19,256	3 8	725
Arthur D Hershey						
Pamela	3	6-11	305	18,973	3 8	722
Fres	3	7-8	305	20,060	3.5	700
Milky Run Dairy Farm						
Reva	3	7 8	305	20,968	3 4	721
Herman Stoltzfus						
Gorgina	3	5-0	305	19,288	3 7	721
Gina	3	7-9	303	17,318	4 1	712
Walmoore 1						
164	3	5-6	305	22,785	3.2	720
212	3	4-8	305	24,244	3.0	717
John P Kauffman						
Molly	3	4-10	305	19,874	3.6	717
Kulp Bros						
248	3	3 0	305	16,978	4 2	716
Harold J. Ranck						
Bess	3	4-6	305	16,730	4 3	716
Richard L Hoover						
165	3		305	19,459	3 7	714
David E. Weaver						
Petunia	3	3 0	305	16,906	4.2	714
Christ L. Stoltzfus						
Louise	3	3 7	305	19,738	3 6	712
David Bartram						
1	3	3-1	284	15,005	4.7	711
Timothy Kauffman						
Kristy	3	3-5	305	23,344	3.0	707

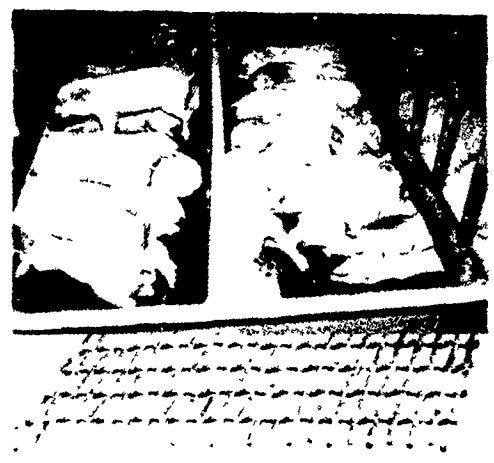
Centre County DHIA
May 1982

The high herd in the Centre County DHIA for May was Joseph Hartle, Jr., Bellefonte, R.D. 4. The Hartle herd of 67 cows had a rolling herd average of 21,188 pounds of milk and 803 pounds butterfat with 88.6 per cent days in milk.

Valley Wide Farm	76	86.0	20,595	800
Jay Houser	52	89.4	21,551	788
James & Susan Howes	47	84.6	22,016	777
Richard Trinca	44	85.0	20,926	777
Lynn & Margaret Neer	83	89.2	21,169	768
L. Thomas Musser	47	88.0	18,069	724
Richard & James Graham	102	84.7	20,843	723
Evan & Ricky Homan	57	85.6	19,109	717
Stringers Sand Ridge	65	87.0	18,395	717
John Ishler	56	88.5	18,149	698
Jerry Weight	100	91.4	18,886	675
Paul Hartle	39	84.7	17,823	671
Daniel & William Boob	67	87.9	18,470	666
Franklin Rossman	50	86.2	17,880	664
Peters Farm	47	93.5	16,872	659
George R. Futhey	104	87.4	18,063	657

Joseph Hartle, Jr.	23,351	4.4	1017
James & Susan Howes	28,750	3.5	1013
Jay Houser	23,201	4.1	950
Valley Wide Farm	27,439	3.5	947
Joseph Hartle, Jr.	24,707	3.6	894
Richard & James Graham	19,453	4.5	884
Richard & James Graham	21,047	4.1	858
James & Susan Howes	25,053	3.4	853
Jay Houser	20,561	4.1	846
Richard Trinca	21,151	4.0	841

Farmer Boy Comes Through Again...



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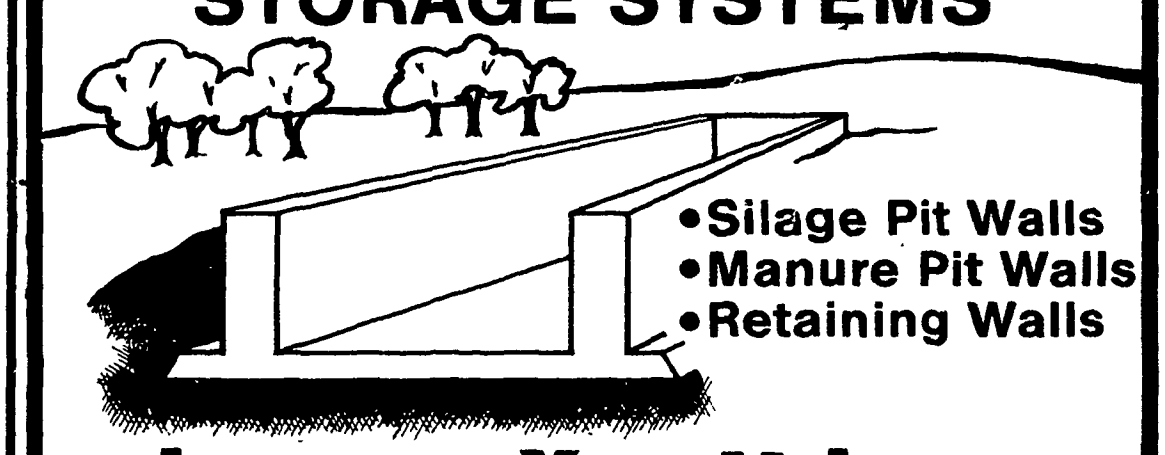

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Fairs swat fly problems with sanitation, sprays

ST. JOSEPH, Mo. — Humans aren't the only visitors to the fairs.

Though the attractions are different, the livestock expos also draw millions of flies each year. To control the pesky visitors, fair officials draw on the latest fly control technology - methods designed primarily for the farm.

At the Missouri State Fair in Sedalia, one of the more "fly-free" fairs in the country, entomologists prepare for the fly onslaught with sanitation and an effective spray program, says state entomologist Joe Francka, Missouri Department of Agriculture.

"Our work begins about two months before the fair - cleaning and disinfecting barns," he says. "And then we spray a week or 10 days before the fair begins.

"We've sprayed (at the fair) for at least 17 years, and the new sprays on the market now are a definite improvement."

Francka consults with entomologists at the University of Missouri for spray recommendations. One of the entomologists who recommended the current control program is Mike English, now with New Mexico State University. English says the new synthetic pyrethroid sprays are good, but - on the farm or at the fair - sanitation must be the first step.

"Without it, fly population pressure is too severe for any insecticide to be effective," he says. "And the first step to effective sanitation is cleaning up manure and spreading it away from barns."

English says research has established that one-half ton of manure provides breeding environment for 400,000 flies to reproduce under optimum conditions. To further reduce breeding areas, you should clean up feed, hay and straw residue and check waterers and hoses for leakage, English says.

Once fly breeding areas have been eliminated or reduced as much as possible, it's still necessary to use a spray to attack the adult population, entomologists say. At the Missouri State Fair, Francka says there was a major improvement when they chose a new insecticide.

In 1980, at the recommendation of English and others, the fair tried the new synthetic pyrethroid insecticides. English says he recommended the new compounds because of their rapid knockdown properties, long residual activity, low toxicity to mammals and broad control spectrum.

As a premise spray in several livestock buildings, Francka used the liquid formulation of the synthetic pyrethroid, permethrin.

Anchor Laboratories has furnished the permethrin insecticide, Permectrin 10 Percent EC, for use at the Missouri State Fair the past two years.

English's promise that the synthetic pyrethroids would have advantages over other spra true.

"You can spray flies with malathion and not tell too much difference," Francka says. "Spray with permethrin, and you have dead flies in 20 minutes. An' expect the residual effect to last three weeks or longer."

Just as sanitation improves the effectiveness of an insecticide, careful spraying techniques can also help, English and Francka agree. Applications usually are most effective when flies are resting - often in areas protected from exposure, such as barn rafters and eaves.

"We spray everything we can reach with a 150-gallon, high-pressure sprayer," Francka says, "especially the support and cross beams in the barns.

"The surface and its exposure determine frequency of application," he emphasizes. "Wooden areas like barn rafters and protected from direct sunlight and the environmental conditions, so, they provide the longest residual activity.

"In some cases on these surfaces, we've achieved month-long control with permethrin - 95-plus percent after several weeks. On the other hand," he says, "are outdoor surfaces like painted concrete blocks: control with insecticides here is greatly reduced.

"Compared to previously used insecticides, the synthetic pyrethroids are showing better residual control. This long-lasting control strongly comes into focus at fairs."

When applying insecticides, producers need sprayers that generate enough pressure to reach high fly resting sites like barn rafters and eaves.

"Sprayers should have at least 50 pounds pressure," English says, "for good coverage and to keep spray concentrations where they belong."

English points out that the research behind an insecticide label is very extensive. "The label gives thorough instructions on target insects, rates, sprayers and spray techniques, and should be the number one starting point before application."

English also advises mixing only the quantity that can be sprayed in one application - unattended insecticides can be dangerous. "After containers have been rinsed three times and rendered useless, bury them in approved landfills," he says.

"The application rates of synthetic pyrethroids are low when compared to other compounds like Toxaphene," says English. "A producer uses about one-half pint of Permectrin in a given area, compared to several gallons of similar insecticide. It is active at much lower rates, and shows longer residual (depending on the surface). This saves producers labor by requiring fewer spray applications.

"Synthetic pyrethroids are probably the most effective insecticides currently on the market," English says. "They do an excellent job and should be considered by producers."

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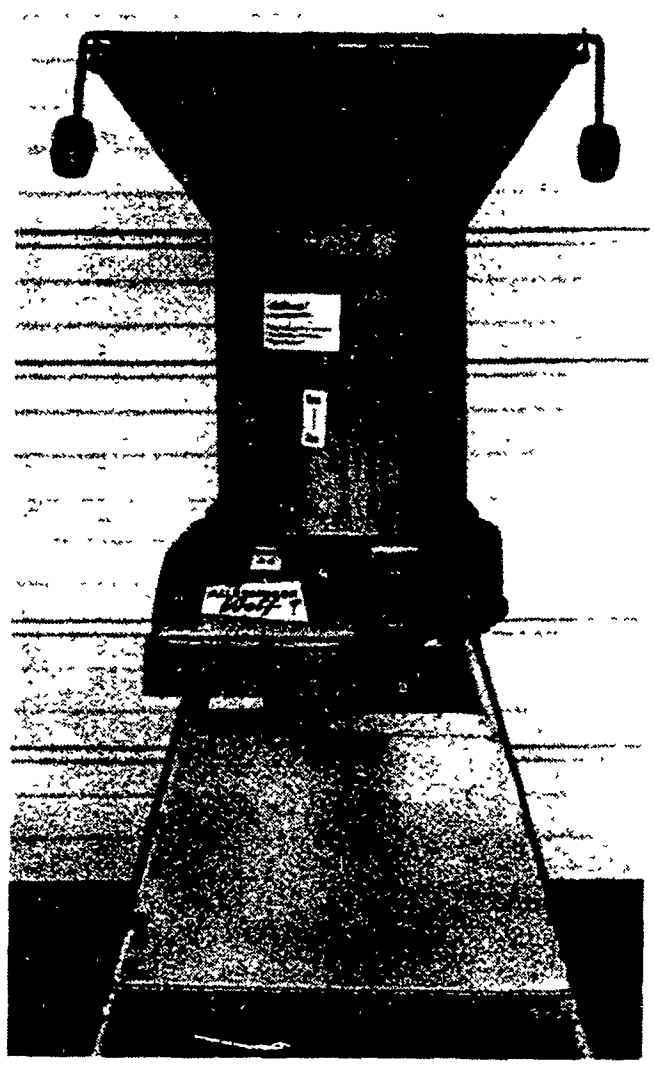

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Aerial photos, computers pinpoint soil needs

By Doris Crowley

NEWARK, Del. — When scientists look for better ways to grow crops, they must analyze tremendous amounts of information collected in the laboratory or field. Finding the significant relationships in all this data — the subtle effects due to soil variation, the interactions between plant and soil which result in higher yields — is time consuming work.

Thanks to the computer, researchers like Merle R. Teel at the University of Delaware Agricultural Experiment Station are now able to evaluate a staggering number of facts just by pushing a few keys on an electronic terminal. Comparisons that would take days or weeks with paper and pencil can be made in a matter of minutes.

For the past four years Teel, who is an agronomist, has been studying soil mineral relationships as they affect corn and soybean yields. His goal is to discover how these crops can be fertilized more efficiently.

Farmers often put on a blanket of nutrients and get a yield increase without ever knowing why, says Teel. When fertilizer was cheap, they could get away with this practice, but not any more. As production costs continue to climb, every penny spent in growing a crop must be balanced against final yield and potential return on that crop. Teel wants to help farmers protect their yields by showing them how to tailor fertilizer programs more closely to plant needs.

To do this, Teel must find out how yields are limited by nutritional deficiencies, acidic soil and soil moisture availability. This requires collecting and analyzing vast quantities of information.

He has assembled data from several years of soil and leaf mineral analyses from one four-acre field on the Agricultural Experiment Station farm in Newark. His data file now contains approximately 26,000 separate pieces of information based on 288 separate plots. For each 15 x 48-foot plot he has recorded a total of 90 items of information.

Last year Teel grew soybeans in order to measure the residual fertility in the soil after corn. He found that where corn did well during 1979-1980, soybeans did poorly in 1981, largely because of a difference in soil pH. His work with corn shows there is a strong correlation between yield and level of organic matter in the soil. Organic matter contributes to the water-holding capacity of soil and also releases nitrogen for crop use.

Although he has concentrated so far on the effects of nutrition on yield, the agronomist says it also is possible to compare the effects of other variables, such as soil texture, rainfall and irrigation. At the end of each growing season he can plug in another year's findings and compare the results with data stored in the computer.

The information he has collected and stored can also be made available to other researchers. For example, last year Joe Short, a student of plant pathology, used a computer for a special undergraduate project on the incidence of powdery mildew on soybeans in the same field Teel has been studying.

When the disease ratings in soybeans were superimposed on data from Teel's fertility study, it became appparent that the occurrence of mildew was related to soil pH and even to the type of nitrogen used on corn during 1977-79. Without the computer, such correlations would be much harder to establish.

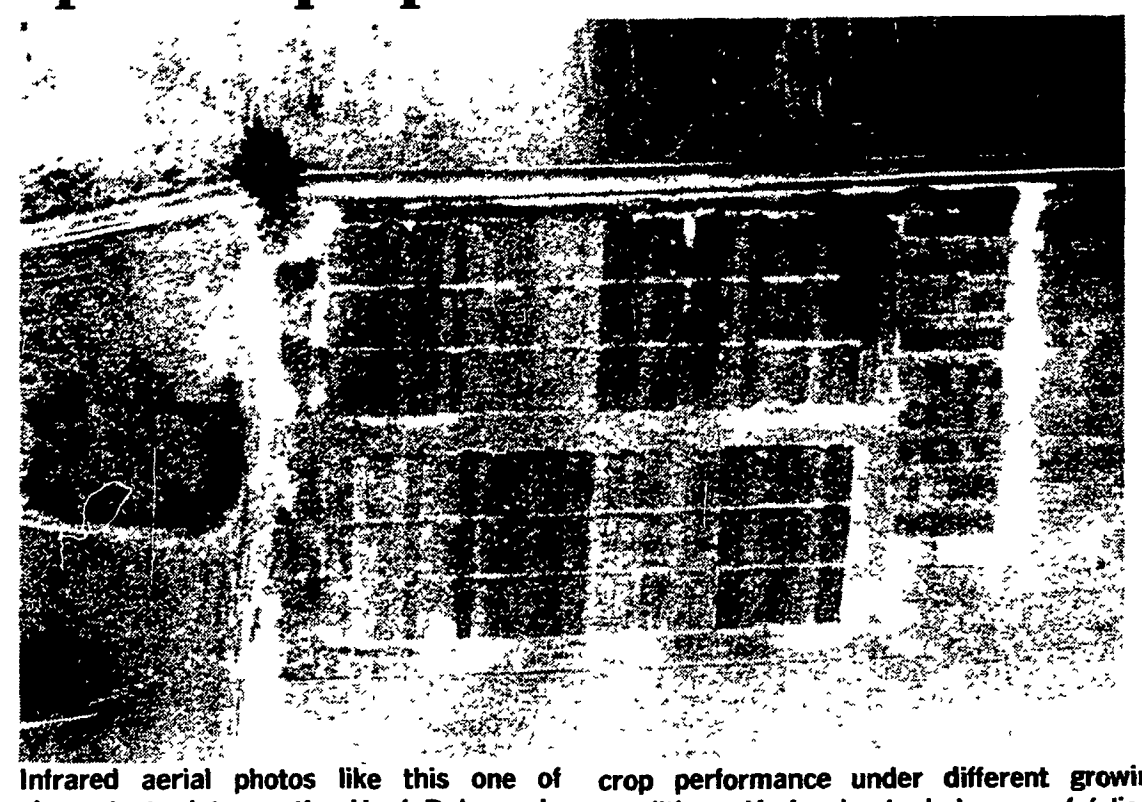
Besides soil tests and leaf tissue analyses, the agronomist is using infrared aerial photography, a remote sensing technique, to evaluate crop performance in his research plots. Infrared film can register variations in vegetative growth hardly noticeable to the naked eye.

His aerial photographs reveal tremendous fluctuations in plant growth, even within a single test plot. By using the computer and map coordinates, he ean relate information in these aerial photographs to variations in soil texture, fertility and yield.

Teel's observations have convinced him that scientists and farmers should examine soil type boundaries within a test plot or field, in determining crop needs. Using photographs showing these boundaries, soil samples can be taken with much greater precision, he says. This should lead to better fertilizer and liming recommendations.

Helping Teel with the aerial part of his research as well as the computer analyses is Ed Dunlop, a former agricultural economics major at the college. After earning his bachelor's degree, Dunlop trained as a pilot for the National Oceanographic and Atmospheric Administration and later flew the plane used in the aerial mapping of Delaware's wetlands. When

(Turn to Page D19)



Infrared aerial photos like this one of soybean test plots on the U of Delaware's Newark research farm help scientists evaluate crop performance under different growing conditions. Variously shaded rows of foliage would all look alike to naked eye.

U of Delaware agronomist Merle Teel uses computer to study effects of soil and fertility on crop yield. He's already collected over 26,000 separate pieces of information, from just one small field.

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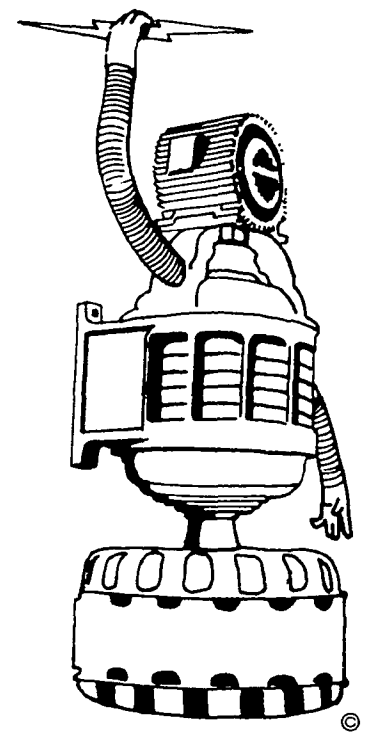

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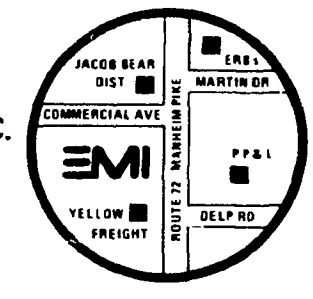

CONVENIENT LOCATION

Soil needs

(Continued from Page D18)

E' Dunlop isn't flying, he's a professional computer consultant.

Last winter Teel shared some of his preliminary findings with farmers during county crop meetings sponsored by the Delaware Cooperative Extension Service. He showed how infrared aerial photographs can be used to detect nutrient problems and moisture stress due to soil differences in cropland, and urged growers to get better soil samples if they want precise recommendations for lime and fertilizer.

This summer Teel is working with William F. Ritter, a soil and water specialist in the department of agricultural engineering, and undergraduate research assistant Rob Turnbull in an effort to determine the importance of variations in soil texture among his 288 plots. Solil moisture values will be monitored weekly and will be coupled with climatic data and irrigation records.

With the help of a computer program, the team hopes to learn more about the water needs of corn and soybeans. Their ultimate goal is to develop more precise guidelines for farmers who irrigate these crops.

Expectation daughter tops Colonial Charolais field day

MCVEYTOWN — Fifteen-year-old Brian Patz of Greensburg led his Charolais heifer RCC Royal Temptress 3527 to the grand championship of the Colonial Charolais Junior Heifer show last Saturday.

Before being tagged grand champion by judge Don Nichols, Penn State herdsman, the April 1981 heifer sired by the renowned HCR Expectation 296 was chosen senior champion and winner of her class of spring yearlings. Patz earned the senior champion fitter honors during the day's competition.

For reserve grand champion, judge Nichols went to the summer yearling heifer shown by Crystal Clutter of Prosperity, winner of the junior fitting and showmanship competition. DF Hilda 1078, sired by Silver Hatchet 234, also was the reserve senior champion heifer.

Showing the junior and reserve junior champions were John Eaton, Jr., reserve champion junior fitter and Carla Clutter, reserve champion junior showman.

In the Junior steer show, Larry Bilger of McVeytown exhibited his Charolais steer to the grand championship. Kent Fisher of Oley took the reserve grand champion honors with his steer.

The Charolais shows were part of the Colonial Charolais Association's field day held at the farm of Ray Bratton, McVeytown. Bratton is the immediate past president of the association. Newly elected president is Justin Martin of New York.

Other senior showing and fitting awards went to: Kirk Fisher, sr. champion showman; Ruth Ann Grace, res. sr. champion fitter and showman.

About 150 people attended the association's field day, representing the eight member states of Massachusetts, New York, Ohio, Maryland, Connecticut, New Jersey, Vermont, and Pennsylvania.

Results of the shows are:

HEIFERS

Sr and Winter

1 John Eaton Jr jr champion 2 Carla Clutter res jr champion 3 Kirk Fisher 4 Rick Czelusta 5 Julie Czelusta

Summer Yearling

1 Crystal Clutter res sr champion and res grand 2 Scott Bratton 3 Bryan Bilger 4 Rick Rookstool 5 Carla Clutter

Spring Yearling

1 Brian Patz sr and grand champion 2 Rick Rookstool 3 Crystal Clutter 4 Clifford Higgins III 5 Kent Fisher

STEERS

Middleweight

1 Kent Fisher res grand 2 Rick Czelusta 3 Clifford Higgins III

Heavyweight

1 Larry Bilger grand champion 2 Scott Bratton 3 Brian Patz

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42 x 68	54 x 65
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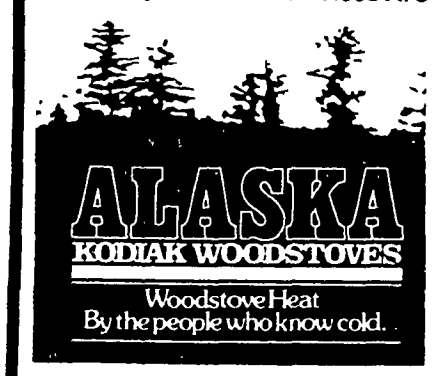

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The 1982 Active AI Sire Summary

LANCASTER — For those dairy producers looking for ways to stay current with today's ever-changing industry, the 1982 July Sire Summary provides an abundance of useful genetic data. The Active AI Summary, compiled every six months by the USDA and DHIA, now includes milk component summaries for protein and solids-not-fat for those bulls with component repeatability of more than 40 percent.

Summaries have been calculated for all bulls reported active by artificial insemination organizations as of July 21, 1982, whether any new information was reported out or not.

Predicted difference for dollars is based on a milk price of $13 per hundredweight of milk with 3.5 percent fat and differentials of 17.2 cents for fat, 8.9 cents for SNF and 12.7 cents for protein. This was the U.S. average milk price for 1981 minus the average hauling assessment.

The PDs for component percentages were calculated under breed averages of USDA-DHIA Milk Components Sire Summary listed in the USDA Production Research Report No. 178, March 1979.

The 1982 Active A.I.Sires, listed by breed, follow:

Ayrshire

NAME OF BULL	MILK AND FAT RPT %	PREDICTED MILK	DIFFERENCE-74 % FAT	$$	PROTEIN AND SNF PD74 $$	PD74 %	RPT %
MILAWAY ALBI	95	+489	+.05 +25	+77	P +87	+.07	70
MAR-RAL FICKLES BOY	96	+766	-.13 +16	+81	P +78	- 03	70
ANCHOR MERE JUMBO	90	+1311	-.07 +43	+165	P +165	.00	52
OAK RIDGE COMMANDERS STAR	96	+716	-.07 +20	+84	P +86	+.01	51
REIDINA DAWNER GALLANT MAN	87	+1074	-.04 +50	+182	P +171	-.08	49
FAIRDALE BETTYS GEMINI	95	+874	-.13 +20	+95	P +93	-.02	62
MEREDITH ROSENKAVALIER	44	+701	-.03 +24	+90			
SENELAKECA BETTY CHAD	89	+1189	-.21 +22	+121	P +106	-.11	58
HALMYRE URR SHAREHOLDER	95	+412	-.08 +7	+41	P +40	-.01	69
OAK RIDGE FLASHY FORTUNE	85	+278	+.06 +18	+50			
OAK RIDGE SUPER STAR	91	+785	-.03 +28	+103	P +98	-.04	58
ELK-AYR HAGGAI	54	+932	-.22 +11	+84			
OAK RIDGE GRETAS PREMIER	68	+659	-.04 +21	+82			

Guernsey

CLEVERLANDS ZENITH	88	+777	-.26 +11	+73	S +61	-.17	58
ATTEBROC FLASH DIVIDEND	90	+1083	-.14 +37	+139			
FRA HIB MARYS P TOPCAT	87	-496	-.09 -31	-88	P -107	-.15	53
OLYMPIC VIEW B MAVERICK	99	+1138	-.04 +50	+165	P +169	.00	93
					S +167	-.03	77
KELLOGG MINNIES CHOICE	99	+1449	-.10 +58	+201	P +194	-.10	95
					S +201	-.07	66
HOUSLEYS DARI FAYVOR	99	+583	+.01 +29	+91	P +87	-.04	94
					S +91	-.04	64
WEE MANOR TOP COMMAND	74	+748	-.26 +9	+68			
LYRENE WISTAR DEACON	98	+818	-.03 +36	+119	P +111	-.08	90
					S +119	-.03	56
MAPLEWOOD A B CHAMPIONS PRIDE	79	+443	-.12 +9	+46	P +44	-.02	57
MESABA NANCE EXTRA	51	+624	-.09 +21	+80			
GRANDVIEW WISTARS FABIAN	96	+1026	+.02 +51	+159	P +169	+.06	76
WELCOME WISTARS FANCY	90	+979	-.19 +27	+115	P +107	-.09	52
FALCONS WISTAR PATRICIAN	90	+1266	-.07 +52	+178	P +184	.00	57
MCDONALDS JEANS WINNER	91	+434	+.09 +29	+80	P +86	+.03	66
GRANDVIEW WISTARS BART	95	+1066	-.04 +46	+154	P +168	+.09	74
BROOKNOOK CYCLONE	91	+935	+.03 +47	+146	P +159	+.08	69
WESTERN GLOW WISTAR PREMIER	92	+881	+.06 +48	+144	P +153	+.06	71
					S +144	-.02	47
HORNBACK FARM PRINCE EXTRA	85	+675	+.02 +34	+106	P +101	-.06	43
BROCKWELL B ATLANTIC	82	+423	-.10 +10	+47	P +40	-.03	48
MAURANA WIS TELESTAR	95	+1527	-.06 +66	+220	P +222	-.03	76
SNIDERS LASSIES DAIRY LAD	76	+1146	-.09 +45	+157			
OLYMPIC VIEW JAMAICA	62	+952	-.11 +34	+125			
METZGER FARMS ROLEX	71	+883	+.19 +61	+167			
SPRING WALK UNCLE CHARLIE	64	+648	-.30 +1	+47			
MUEHLING MEADOWS STAR FABIAN	32	+444	-.07 +14	+55			
DENDELS ORCHARDS CORA HOLLIREX	59	+835	-.03 +36	+120			
LOCUST HILL SATURN LAWMAN	71	+221	-.07 +4	+22			
DUTCH MILL TOP HORNETS FERNELL	87	+808	-.13 +25	+99	P +98	-.04	52
FRA HIB T H FANTASTIC	40	+716	-.07 +27	+96			
LONE PALM T H JUPITER	94	+1054	-.25 +24	+115	P +106	-.10	75
METZGER FARMS TOP ROE	91	+974	-.06 +40	+137	P +139	+.01	72
HARMONY TRANSFER DYNAMITE	34	+848	-.13 +27	+106			
KELLOGG MINNIES FREEDOM	33	+786	+.03 +40	+124			
DENDELS ORCHARDS CORA H REX	47	+1133	-.24 +29	+129			
CO HILL FARMS T H BIG TEX	81	+1398	-.12 +53	+189			
CLEVERLANDS JA DA HORNET	55	+1067	-.15 +35	+135			
WELCOME CHOICE ADMIRAL	66	+1738	-.11 +70	+242			
HARDY FARM AFC CARL	31	+690	-.09 +24	+89			

NAME OF BULL	MILK AND FAT RPT %	PREDICTED MILK	DIFFERENCE-74 % FAT	$$	PROTEIN AND SNF PD74 $$	PD74 %	RPT %
IDLE NEER RONDAS HORNET	26	+1573	-.39 +32	+165			
SCHWINGHAMER FARM BERT	39	+824	-.11 +28	+106			
LONE PALM JEANS JASON	67	+133	-.13 -6	-1			
LONE PALM T H MORGAN	60	+739	-.02 +33	+108			
DENDELS ORCHARDS CHERIE CHUCK	27	+1077	-.14 +36	+137			
SHADYLAWN KING ARTHUR	29	+1305	-.17 +44	+167			
U OF MINN R CAMPUS COP	46	+701	-.11 +22	+87			
WAGNERS T H EMORY	26	+1279	-.20 +39	+156			
HORNBACK FARM DARI PROGRESS	47	+480	+.12 +34	+92			
DAN BA LEE A F C GEORGE	52	+1133	-.18 +35	+139			
GRAYSMARSH T H BRIGHT FUTURE	37	+889	-.19 +23	+102			
LONE PALM RUANN SUPREME	38	+743	-.12 +23	+91			
SCHWINGHAMER FARM CAPTAIN	40	+1066	-.01 +49	+159			
WILL O WEST HORNETS LOYAL	48	+891	-.26 +16	+90			

Holstein

PACLAMAR BOOTMAKER	99	+1249	-.07 +35	+147	P +126	-.10	98
					S +149	+.02	97
STAFFORDSHIRE EAGLE JASPER	78	+257	+.07 +20	+52			
ROUND OAK RAG APPLE ELEVATION	99	+1440	-.01 +50	+187	P +176	-.05	99
					S +186	.00	96
HARRISBURG GAY IDEAL	99	+1174	-.10 +28	+130	P +113	-.09	98
					S +130	.00	97
NICOLK SUNSHINE BOLD CHIEF	99	+216	+.31 +53	+106	P +120	+.08	99
					S +119	+.10	73
WHITTIER-FARMS APOLLO ROCKET	99	+2084	-.20 +43	+219	P +204	-.07	97
					S +209	-.06	96
VICLANE DUSTY ASTRONAUT	75	+56	+.23 +35	+64			
ADDMORE ADMIRAL ALSTAR MAC	62	+237	+.22 +40	+85			
WHITTIER-FARMS IVANHOE ACE	99	+773	-.13 +8	+68	P +59	-.04	87
					S +60	-.06	86
DOS-PALMOS COMET	99	+1371	-.14 +28	+144	P +138	-.03	96
					S +139	-.04	92
GLENDELL ARLINDA CHIEF	99	+2030	-.08 +61	+247	P +220	-.13	98
					S +227	-.13	94
HILMAR PERFORMER SHIAWANA	99	+512	-.16 -5	+27	P +12	-.08	90
					S 0	-.21	93
ARLINDA JET STREAM-TWIN	99	+2132	-.21 +43	+223	P +220	-.01	95
					S +229	+.05	92
JUNELL IVANHOE CHIEF CHARLIE	99	+635	+.03 +28	+92	P +87	-.02	88
					S +96	+.04	78
REDFIELD RULER DIAMOND	23	+552	-.09 +7	+51			
JO-DAN B E IVAN	99	+1008	-.18 +9	+86	P +86	.00	92
					S +77	-.07	85
DOUBLE NED HARVEYCREST WALKWAY	99	+1794	-.14 +43	+199	P +176	-.11	88
					S +175	-.16	90
COLDSPRINGS STYLEMASTER WIZARD	99	+1234	-.16 +21	+122	P +128	+.04	96
					S +124	+.02	88
WILLOW-FARM ROCKMAN IVANHOE	99	+1007	-.01 +35	+130	P +125	-.02	99
					S +127	-.02	93
POVERTY-HOLLOW BURKGOV DEMAND	99	+2177	-.31 +29	+202	P +170	-.15	96
					S +136	-.46	92
LEMAX RAG APPLE HAVEN	98	+1237	-.33 -5	+78	P +52	-.13	89
					S +68	-.07	56
SKAGVALE CLASSIC CITATION	89	-156	+.02 -3	-16			
BIRCH-HOLLOW ROYALTY	93	-220	-.14 -27	-62	P -71	-.05	62
ARLINDA FOND MARINER-TWIN	92	+711	-.12 +8	+63	P +62	.00	51
					S +54	-.07	69
GARDENIA CHIEF ASTRONAUT	99	+639	+.24 +59	+146	P +156	+.06	79
					S +153	+.06	79
HOBBSHAVEN CHIEF NENO	50	+493	+.06 +27	+81			
MALAMEN SUPREME PIONEER	99	+1183	-.12 +25	+126	P +118	-.04	76
ACE-HIGH-DAIRY TRIXIE BEN TED	99	+1692	-.01 +60	+221	P +210	-.05	98
					S +210	-.08	84
ARLINDA COMMANDER	99	+1241	.00 +45	+164	P +154	-.05	98
					S +166	+.02	95
LA-RARE MILLIONAIRE	98	+1010	-.19 +8	+84	P +62	-.11	82
					S +53	-.23	88
WAPA ARLINDA CONDUCTOR	99	+1825	-.04 +60	+231	P +220	-.05	99
					S +227	-.02	95
MARINDALE SKY CHIEF	98	+391	+.03 +18	+58	P +53	-.03	78
					S +51	-.05	79
DODGE-VIEW GEM-TWIN	98	+1035	-.01 +36	+134	P +128	-.03	88
					S +133	.00	83
ROBTHOM ANTHONY PERFORMER	98	+979	-.10 +21	+104	S +97	-.05	45
KIME-FARMS ASTRONAUT LEWIE	99	+1200	-.05 +36	+146	P +152	+.03	98
					S +150	+.03	82
REDROOF ASTRO ELMO	99	+1720	-.26 +22	+158	P +140	-.09	97
					S +142	-.11	90
SUN-VALLEY SENSATION NEIL	99	+1553	+.08 +69	+227	P +246	+.10	98
					S +229	+.02	71
VIGO STANDOUT REFLECTION	98	+1174	-.14 +21	+118	P +111	-.03	84
					S +115	-.02	76
BARRETT-RANCH IVAN ROCKMAN	99	+1780	-.11 +47	+205	P +189	-.07	98
					S +192	-.09	92
UK SENSATION	99	+1437	-.06 +43	+174	P +172	.00	97
					S +173	-.01	89
HILL-TOP-HAVEN SENSATION FISK	99	+835	+.10 +46	+137	P +139	+.01	90

(Turn to Page D21)

'82 A.I. Sire Summary

(Continued from Page D20)

DELLFIELD STANDOUT	83	+1775	-.10	+49	+208	S	+190	-.13	44
HART-LYN SENATOR CHIEF	83	-41	-.05	-8	-17				
ARLINDA FOND CARLOS	67	+701	+.06	+34	+107	S	+108	+.01	42
BETTERWAY MARATHON	99	+657	-.17	-1	+44	P	+41	-.01	89
						S	+40	-.03	81
BAR-REL STAR PERFORMER	97	+1687	-.21	+28	+166	P	+157	-.04	83
						S	+154	-.08	85
M-JAYBEE ASTRO JOSIE	95	+1022	-.13	+18	+102	P	+97	-.02	62
						S	+99	-.02	69
ELM-CREEK ASTRO DON	94	+772	+.11	+45	+131	P	+137	+.03	63
CHAM MATT BAM-BAM	91	+293	+.06	+19	+53				
LIMESTONE STANDOUT STREPHON	99	+1959	-.14	+48	+219	P	+197	-.10	98
						S	+181	-.27	80
TEX-STEIN BURKE ASTRO BOB	90	+493	-.03	+14	+58	P	+62	+.02	65
C ENGHILL ROCKMAN KNIGHT	34	-140	-.01	-6	-20				
LYNKHOLM MILKMAKER	99	+1600	-.23	+22	+150	P	+121	-.15	91
LARRY-MOORE TRANSMTR JACK-RED	84	-529	+.01	-18	-68				
LARRY-MOORE JACKS LAD-RED	60	-227	+.03	-4	-23				
LARRY-MOORE KENNEDY J-RED	47	-290	-.09	-23	-60				
LARRY-MOORE MAJOR R-RED	75	+139	+.01	+7	+22				
STRICKLER DON DUALLYN-RED	84	+1330	-.20	+18	+124				
LARRY-MOORE JANES ROYAL-RED	42	-240	+.08	+3	-12				
DIAMOND-S SUNNY HANK	96	+543	+.06	+28	+86	P	+88	+.01	68
						S	+78	-.06	40
SINKING-SPRINGS PER HILARY	97	+1611	-.18	+30	+164	P	+140	-.12	88
						S	+142	-.16	85
LSGLORY LEO ASTRONAUT	84	+1130	-.08	+29	+129				
C-Y-HANOVER APOLLO	75	+593	-.06	+12	+62				
SINKING-SPRINGS PER STERLING	98	+787	-.08	+16	+82	P	+61	-.11	89
						S	+58	-.18	87
WILCOXVIEW PERFORMER PAT-TWIN	98	+1410	-.14	+30	+150	P	+135	-.07	84
						S	+126	-.18	82
MORRILL STAR BB BICKEN	98	+1498	-.06	+45	+182	P	+174	-.04	84
						S	+179	-.02	85
ROCBY MATT PETUNIA JUDGE	86	+632	+.02	+26	+89	S	+83	-.05	55
BAYLESS ASTRO SNEAKER	79	+1210	-.18	+16	+112				
PARAGON BOOTMAKER	98	+1533	-.17	+29	+157	P	+131	-.13	81
						S	+151	-.04	78
WHITE-HEIGHTS R P CHIEF	83	+1123	-.02	+37	+142	P	+122	-.10	45
PLATZ BOOTMAKER CHARM	93	+1191	-.01	+41	+154	P	+161	+.04	72
GREEN-BANKS ADVENTURER	90	+1400	+.05	+58	+197	P	+184	-.07	71
ARLINDA CINNAMON	99	+1683	-.10	+45	+195	P	+181	-.07	96
						S	+187	-.05	82
MILBROFAR ELATE MAGICIAN	99	+1324	-.03	+44	+168	P	+156	-.06	98
ROYBROOK VALIANT	98	+62	+.05	+10	+22	P	+14	-.05	81
						S	+11	-.09	84
PRODUCERS KINGPIN HOO DOO	91	+523	+.01	+21	+73	P	+69	-.02	61
						S	+80	+.05	68
U-MO CHIEFS HAWK	51	+632	-.01	+21	+80				
WILL-TRI FRANS LEGACY	98	+1120	-.01	+39	+145	P	+160	+.08	75
						S	+158	+.10	73
LIMESTONE LANCELOT	98	+1067	.00	+39	+142	P	+136	-.03	88
						S	+148	+.04	81
MIL-R-MOR TRAILBLAZER	99	+1219	-.17	+18	+116	P	+97	-.10	95
						S	+111	-.04	81
SAGESER CHIEF ASTRONAUT	98	+53	+.16	+25	+47	P	+57	+.06	86
ARLINDA PENSTAR	98	+1683	+.02	+65	+229	P	+223	-.03	68
						S	+224	-.03	60
ROLLING-VALLEY BOOT EL CAPITAN	71	+1436	-.07	+42	+172				
VAS CHARMING WINN	92	+1069	-.06	+30	+126	P	+122	-.02	62
DAN-VER POLY ROYAL	95	+1375	+.03	+54	+189	P	+193	+.02	65
						S	+191	+.01	61
DOREIGH-FARMS MIGHTY FALCON	84	+641	-.14	+2	+48	P	+46	-.01	60
WIMSON EXECUTIVE	98	+1424	+.07	+62	+206	P	+199	-.03	96
LASTING-SPRING STANDOUT	94	+1020	-.04	+31	+125	P	+125	.00	71
						S	+122	-.02	47
ROBTHOM PRINCE VEEMATT	79	+919	-.19	+5	+73				
IONNETTE BRUYNCREST ASTRO	74	+774	+.03	+32	+109	S	+94	-.12	44
GRUENDALE ASTRO SOVEREIGN	59	+690	-.02	+22	+86				
POPPYLANE ASTRONAUT DUKE	99	+975	-.16	+12	+89	P	+105	+.09	54
						S	+108	+.15	85
VANDE-ACRES ELECTRA	88	+1048	-.15	+15	+99	P	+83	-.09	61
RIPPCHEN BOOT-NICK	99	+1087	-.06	+31	+129	P	+114	-.08	95
						S	+127	-.01	80
CEDAR-GROVE GOLDEN NUGGET	99	+1925	+.04	+77	+267	P	+265	-.01	96
						S	+269	+.02	88
HILLIANA VALEDICTORIAN	77	+1823	+.02	+69	+246				
HATOREY ASTRO PAL	36	+83	-.06	-5	-3				
PENN-DELL APOLLO KING ARTHUR	97	+815	+.16	+53	+148	P	+143	-.02	93
HOLTEX TRIUNE MILESTONE	81	+746	-.05	+19	+85				
GLEN-VALLEY STAR	99	+1081	-.05	+31	+129	P	+124	-.02	97
						S	+119	-.07	92
BERNHILL M G HARMONY	96	+1315	-.06	+38	+157	P	+140	-.09	88
KEHO ERIC	99	+1615	-.25	+19	+145	P	+119	-.13	75
						S	+125	-.14	63
CA-LILL STANDOUT CAVALIER	99	+2061	-.20	+42	+216	P	+193	-.11	97
						S	+205	-.08	69
BETTERWAY MILKMAKER	84	+293	-.07	+1	+22	S	+24	+.02	49
DUARTE-ACRES ASTRONAUT ALBERT	92	+1116	-.09	+27	+124	P	+113	-.06	63
						S	+122	-.01	48
RINEHART TOP NOTCH	90	+1280	-.22	+13	+112	P	+96	-.09	45
PRODUCERS STAR ADA	90	+1213	-.10	+28	+133	P	+122	-.06	64
						S	+126	-.05	65
LUCKY-ROYAL STAR ADMIRAL	95	+1344	-.02	+46	+173	P	+167	-.03	72
						S	+266	+.72	56
OELFKES GOLDEN ABEL	99	+1100	+.09	+53	+168	P	+175	+.04	95
						S	+160	-.06	63
RUANN ZACHARY	69	+994	-.11	+20	+104	S	+76	-.20	56
LANDSDOWN IVANHOE STAR MATADOR	97	+933	+.05	+42	+137	P	+130	-.04	81
						S	+137	.00	81
THUMB-PRIDE PAYMASTER	96	+1402	-.08	+39	+165	P	+149	-.08	73
						S	+170	+.04	68
LETTERS BURKGOV TRUMP	98	+1722	.00	+62	+227	P	+231	+.02	74
						S	+231	+.03	73
SKOKIE IVANHOE STAR	88	+1006	-.07	+26	+115	P	+90	-.13	60
PINEYVALE FIRECRACKER	96	+1804	-.05	+58	+226	P	+214	-.05	91
BUN-YARD MONEY MAKER	98	+750	+.02	+30	+104	P	+94	-.05	81
						S	+103	-.01	50
DIAMOND-S BONANZA	68	+1239	-.04	+39	+154				
MIL-BER STAR MAY CHAMP	71	+1233	-.03	+40	+155				
MARSHFIELD ELEVATION TONY	99	+1746	-.10	+47	+203	P	+187	-.08	92
						S	+201	-.01	79
ARNOLD-ACRES AQUARIUS APOLLO	97	+740	+.10	+42	+124	P	+125	+.01	90
FRGEKA CITATION CHIEF PIERRE	70	+330	+.31	+57	+121				
BIS-MAY ASTRO JUPITER	99	+1008	+.02	+39	+137	P	+142	+.03	98
						S	+149	+.09	59
DORLOY ROBIN REFLECTION	90	+1285	.00	+47	+171	P	+170	.00	57
E-Z-ACRES IVANHOE K TREAT	79	+1346	-.14	+28	+142				
POVERTY-HOLLOW MILESTONE	99	+1407	-.13	+31	+152	P	+146	-.02	96
						S	+130	-.16	88
HANOVER-HILL TRIPLE THREAT-RED	99	+477	+.16	+41	+104	P	+104	.00	97
						S	+102	-.02	78
PENN-DELL ELEVATION IVAN	98	+535	+.11	+35	+98	P	+95	-.02	69
LIME-HOLLOW ELEVATION MARS	99	+1915	-.17	+42	+206	P	+188	-.08	91
						S	+199	-.05	85
CLOCKTON STANDOUT HERCULES	45	+963	-.08	+23	+107				
CLUE FARM INDIGO SUNSET	91	+1069	+.14	+60	+178	P	+176	-.01	74
C-F-D BOOTMAKER NOTEWORTHY	80	+1164	-.08	+30	+133				
SHADE-ACRES ELEVATION FROSTY	91	+1269	-.04	+40	+157	P	+144	-.06	47
						S	+161	+.03	46
CFI QUALITY PINOAK	78	+1014	-.13	+17	+100				
WEN-JO BOOTMAKER CHIEF	59	+1343	-.07	+38	+159				
STRAIGHT-PINE ELEVATION PETE	99	+1790	-.11	+47	+206	P	+183	-.11	92
						S	+200	-.04	73
MD-NEW-HOPES REBEL ELEVATION	76	+879	.00	+32	+116				
LAWCREST MARVEX-TWIN	99	+922	+.01	+35	+125	P	+120	-.02	93
						S	+130	+.04	79
LAWCREST LAW MAN	66	+1062	-.10	+24	+115	S	+111	-.03	43
HOLTEX ELEVATION JEWELER	36	+967	-.07	+24	+109				
STILLWELL TIDY ADMIRAL	67	+1678	-.06	+52	+207				
C ROMANDALE ROYAL IVANHOE	59	-221	-.06	-17	-45				
TIHO ELEVATION	87	+1227	-.06	+36	+148	P	+138	-.05	61
ROBTHOM ROYAL VEEMATT	89	+972	+.02	+38	+133				
THONYMA EAST STAR-TWIN	73	+801	+.07	+39	+123				
SHADE-ACRES STARMAKER	50	+1380	-.14	+29	+146				
C SHORELEA CITATION MARK A	84	+933	-.22	+1	+67	P	+55	-.06	68
WADDELL BOOTMAKER PETE	95	+935	+.10	+49	+150				
GRUENDALE TRIUNE SENSATION	75	+1488	-.08	+41	+174				
DEMRY MOHAWK MONEY-MAKER	85	+1909	-.25	+29	+183	P	+150	-.16	43
BENDMEAD MAGIC OF LIN-CON	97	+565	-.12	+3	+45	P	+26	-.10	88
MIDWAY-CREST BOOTMAKER ROCKET	86	+1282	-.13	+27	+136				
MONTY-KAY CHIEF JUSTICE-TWIN	50	+1077	-.09	+26	+120				
LOCUST-GLEN IVANHOE ELEVATION	93	+1495	-.10	+39	+171	P	+164	-.03	52
STERK BOOTS SONNY	48	+1165	-.03	+37	+148				
SKY-HI BOOT MARK	97	+901	-.11	+16	+90	P	+84	-.03	86
VOSSMON ASTRO JO BOY	74	+1027	-.05	+29	+122				
ROPIES CHIEF BUFF	77	+1439	-.10	+37	+169	P	+141	-.11	50
OAKEN-DALE BOOTMAKER MAX	55	+1361	-.04	+43	+169				
MILKYHILL CRYSTALS JEWEL	89	+761	-.06	+19	+86	P	+87	+.01	71
EDGEMAR IVAN PAT	47	+1138	-.01	+40	+148				
HARVUE HIGH SPOT	81	+1727	-.16	+37	+184				
LE-DEL IDEAL SUPERIOR	99	+1386	-.17	+24	+138	P	+115	-.12	90
						S	+138	.00	89
CONANT-ACRES TEX	87	+1015	-.08	+25	+114				
LE-DEL ELEVATION CHRIS	98	+2454	-.38	+27	+218	P	+182	-.17	86
						S	+230	-.09	73
APPLENOTCH LIBERATOR	67	+1164	-.08	+30	+133				
CODERVIEW IVAN ARLINDA CHIEF	44	+1338	-.08	+36	+155				
CURTMAID CENTURION IVANHOE	67	+1299	-.20	+16	+118				
SHARDALE ARLINDA CHIEF JEMINI	98	+1246	+.08	+57	+185	P	+162	.12	81
						S	+184	.00	55
RAFTER-M IVANHOE DOUBLE	65	+1429	-.14	+30	+151	S	+139	-.08	44
TOPPATION MATT MILKMAKER	97	+886	+.07	+43	+136	P	+115	-.12	82
ACKLAND CHIEF MARK	88	+754	.00	+28	+101	P	+109	+.04	51
SUGARLANE BIG BILLY	61	+1060	-.08	+27	+120				
ACK-LEE CHIEF MONEY MAKER	96	+1459	-.05	+45	+179	P	+173	-.03	79
ROYAL-CEDAR HANNIBAL	79	+1404	-.06	+41	+169				
WOODBINE MILKMAN	94	-446	-.11	-31	-84	P	-80	+.02	68

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DIAMOND-S ELEVATION PONCHO....	72	+1833	-.15	+42	+200				
OAK-MANOR ASTRO GEM.....	76	+1244	-.11	+29	+137				
BARRETT-RANCH BELLMAN KIT.....	79	+1148	-.29	-3	+75				
S-W-D VALIANT.....	93	+1801	-.06	+56	+222	P	+208	-.07	62
APPLENOTCH RESOLUTION.....	53	+935	-.07	+23	+105				
WALT-JEAN MATT.....	78	+1294	-.10	+32	+145				
GLOBE-RUN JOY CHIEF JUDE.....	45	+1338	-.03	+44	+169				
RAVENGLEN BOOTS ROMULUS-TWIN..	67	+942	-.01	+32	+121				
DIXIE-LEE DISTINCTION.....	86	+506	+.07	+29	+85				
TABUR TORONADO.....	63	+1379	-.11	+33	+153				
BUSY-ACRES LINDY.....	90	+1540	-.06	+47	+188	P	+176	-.06	58
JACMIN GILTEX ELEVATION TAHARI	58	+1146	+.05	+49	+164				
CAL-CAB MAGELLAN.....	52	+549	+.03	+25	+81				
WILBAR BOOTS DIXIE CITATION...	36	+1085	-.12	+21	+112				
S-S-F ASTRONAUT BRAVO.....	90	+969	-.13	+15	+93	P	+81	-.05	65
BROOKS-TWAIN APOLLO KING.....	86	+1295	-.07	+37	+154				
HOLTEX QUALITY ELEVATION.....	53	+1462	-.14	+32	+157				
KILLDEE ELEVATION ERIC.....	63	+1004	-.02	+34	+129				
CLINTON-CAMP ELEVATION MAJESTY	55	+906	-.04	+27	+110				
ROCKING-C BIG JACK.....	72	+926	-.08	+22	+102	S	+98	-.03	41
JEP ELEVATION PEPPER.....	37	+1267	-.01	+44	+164				
MARLU COMET.....	42	+364	-.06	+5	+34				
ZION-VIEW AMYS GRAND FORTUNE..	89	+1242	+.04	+52	+176	P	+168	-.04	66
LAWCREST MILK MASTER.....	42	+416	+.01	+16	+57				
DDK MONEYBAGS.....	59	+1188	+.18	+71	+205				
MARLU TITAN.....	93	+1380	-.18	+22	+134				
WILEEDA CITATION R.....	48	+1333	-.04	+42	+165				
WALNUTDALE GOVERNOR BOOT.....	75	+1058	-.19	+10	+91				
STARDELL ROADRUNNER.....	85	+886	-.01	+31	+115				
ALEGRE JEWEL SUNSHINE JOHN....	55	+1507	-.06	+45	+183	S	+172	-.08	44
SKYLINE ELEVATION JOE.....	67	+1187	-.16	+19	+116				
LUCKY-ROYAL BOOTMAKER KIT.....	66	+1394	-.09	+36	+159				
SHELMAR-ACRES IRISH.....	77	+1269	-.10	+31	+142				
VIGO TRIUNE RABURKE.....	56	+1653	-.17	+33	+172	P	+162	-.05	51
MOORE-FARMS BELLRINGER.....	81	+659	+.21	+55	+141	P	+148	+.04	57
KRAHNS ELEVATING BART.....	80	+1011	+.18	+64	+181				
ROCBY KNIGHT IRENE BEACON.....	43	+1387	-.01	+49	+181				
KENTS-RESERVE CINDER.....	70	+1444	-.19	+23	+140				
ROYALANE CHIEF SANDY SQUIRE...	79	+1003	-.12	+18	+101				
GLEN-LU-KNOLL MARBETH FOBES...	62	+1308	-.11	+30	+143				
BUSY-ACRES LEE.....	75	+712	+.18	+53	+141	P	+141	.00	45
KAM-JA BOOT DEAN.....	52	+513	-.15	-4	+29				
BRAINTRIM ELSTAN.....	84	+710	+.02	+29	+99	P	+102	+.02	47
RUANN BK VAN.....	53	+636	+.03	+28	+93				
BUTTON-CREST ADVENTURER.....	63	+1251	-.05	+38	+153	P	+149	-.02	42
MILK & HONEY ATHENES JASON....	92	+317	+.07	+22	+60	P	+55	-.02	60
BUTTERDAY BURKE ADMIRAL.....	98	+1268	+.05	+53	+180	S	+177	-.02	61
PRODUCERS STYLIST.....	69	+733	-.13	+7	+63	S	+60	-.02	44
GREEN-BANKS DIPLOMAT.....	80	+1577	-.07	+46	+189	S	+182	-.05	59
DIXIE-LEE ELEVATION DAN.....	58	+1152	-.09	+28	+129				
PLUSHANSKI PERSUADER.....	92	+977	+.12	+54	+161	P	+147	-.08	49
DIAMOND-C CHIEF SON RAYS.....	35	+1481	-.03	+49	+188				
CHAR-SAM ELEVATION PABST.....	93	+1744	-.20	+32	+177	P	+167	-.05	65
GREEN-ACRE CHIEF SENTRY.....	78	+1227	-.13	+24	+127				
WESTMORELAND ELEVATION PRINCE.	57	+1528	-.07	+44	+182				
CLARJON ASTRO CHIEF.....	40	+1204	+.04	+50	+170				
WKU ASTRO LEADER IKE.....	81	+1235	-.10	+29	+136	P	+126	-.05	46
JO-JON BOLD C APACHE.....	68	+952	-.06	+25	+109	S	+112	+.02	43
CREEK-BLUFF ELEVATION LESTER..	91	+1068	-.02	+36	+136				
IDLE DICE-RED.....	59	-273	-.12	-26	-64				
ROCKALLI SON OF BOVA.....	77	+2071	-.14	+52	+234				
RUANN B K BILTMORE.....	53	+1162	.00	+42	+153				
CALRICK SILVER BOOTS.....	89	+1653	-.22	+25	+158				
EHRS STARLITE WILLIE.....	57	+1810	-.15	+42	+199	S	+182	-.12	42
SEMRADS R MAPLE JUPITER-RED...	93	+132	-.01	+4	+16	P	-5	-.12	60
CHASEHOLME ELEVATION STARBUCK.	78	+1135	-.14	+20	+114	P	+90	-.12	53
M-L ELEVATION ADRIAN.....	85	+1232	-.05	+37	+150	P	+145	-.02	51
THAYERS ASTRONAUT IVAN.....	69	+654	-.01	+22	+83				
MAPLEWOOD-LANE TRIBESMAN.....	51	+1109	-.11	+23	+117				
COLDSPRINGS ELEVATION TRIX...	75	+1021	-.03	+33	+128				
EAGLE-ACRES BOOTCAP.....	77	+1592	-.23	+21	+147				
CARLIN-M IVANHOE BELL.....	77	+1732	-.03	+58	+221				
WILL-LO-ACRES VEEMAN R A-TWIN	71	+1243	-.08	+33	+144				
STARDOM BOOTMAKER MANNIX.....	51	+1409	-.08	+39	+165				
CORREIA IDEAL SECURITY.....	35	+966	-.11	+19	+100				
WENDORFS ADMIRAL CHIEF.....	68	+754	+.01	+29	+103				
HI-LINE R A ELEVATOR.....	50	+916	.00	+33	+121	P	+119	-.01	42
SOONER ELEVATION CHIP.....	56	+1007	+.03	+41	+141				
DODD-HILL SKOKIE SCOTT.....	64	+891	-.09	+19	+95				
COBRYLEA QUALITY.....	80	+1628	-.09	+45	+191	P	+188	-.01	55
IV-ANN SALVATION.....	50	+998	-.07	+25	+113				
HILLTOPPER ROLLS ROYCE.....	71	+428	-.10	+1	+32				
M-JAYBEE ELEVATION RAVEN JOSIE	41	+1564	-.02	+53	+200				
KLER-VU CHARISMA.....	78	+527	+.18	+45	+114				
GREEN-VALE T COMPLETE WILLIAM.	47	+1315	-.16	+23	+131				
BROOKVIEW CALIBAN.....	80	+848	-.01	+29	+109	P	+97	-.06	52
STAR-SUMMIT ELEVATION LANCE...	77	+2168	-.22	+43	+225				
ELMSMITH MARCUS MARINER.....	79	+1521	-.21	+23	+146				
DUNWOOD GOLDEN ATMOS.....	67	+1301	-.12	+29	+141				
B STANSELLS RORAE PAPY.....	65	+1122	+.05	+48	+161				
NUNESDALE CM BLEND.....	75	+1414	-.06	+42	+171	S	+163	-.06	63
GEORDAVE MARVATION.....	84	+898	.00	+33	+119	P	+120	+.01	54
KINGSTEAD CHERRY BOMB.....	65	+713	-.06	+17	+79				
SPRINGLEA GAY LYLE-TWIN.....	60	+1776	-.19	+34	+182				
MIL-NOR JEWEL BOOTMAKER.....	65	+1207	-.10	+29	+134				
MANORSPRINGS CHIEF PAWNEE.....	85	+880	+.09	+45	+139	P	+140	+.01	63
MIL-NOR-II DOCUMENT.....	52	+1345	-.08	+36	+156				
DAVIDSONVIEW NOEL BELL.....	78	+1464	-.03	+48	+185	S	+153	-.21	40
MILMAY KINGPIN ELEVATION BOB..	69	+1679	.00	+61	+222	S	+227	+.04	61
FULTONWAY GAYLORD APOLLO.....	70	+1558	-.02	+53	+200				
ANN-RAY ELEVATION MAYDAY.....	67	+1486	-.08	+42	+176				
MAHONEY ELEV ABE.....	70	+665	+.09	+38	+112				
DIAMOND-S CYRANO-TWIN.....	65	+1297	+.15	+70	+211				
LUDVUE MATTMAKER.....	86	+985	.00	+36	+131				
CAL-CLARK GENESIS.....	77	+840	+.10	+45	+136				
LUCK-E ELEVATION MEL.....	66	+857	+.03	+35	+120				
SINKING-SPRINGS ROCKET JEREMY.	74	+1757	-.21	+30	+174	S	+157	-.12	45
MARLU PERSEUS CHIEF.....	65	+1502	-.07	+43	+179				
NOWERLAND ELEVATION ROCKY.....	81	+1671	-.02	+57	+215	P	+208	-.03	44
ROCKALLI ASTRO WARRIOR.....	67	+1307	-.12	+29	+141				
GLENDELL ELEVATION JUNIPER....	65	+1535	-.11	+38	+173				
WALNUT-LANE APOLLO IDEAL.....	62	+1525	-.14	+33	+163				
MILLIS-AN SHANE.....	59	+1488	-.10	+38	+169				
WAGNERSCREST IVANHOE ASTRONAUT	77	+1450	+.04	+59	+203				
CRISDHOME ELEVATION ESCALATOR.	68	+961	+.01	+37	+131				
SWEET-HAVEN TRADITION.....	83	+2412	-.13	+66	+282	S	+274	-.05	55
WALNUTDALE ELEVATION MASTER...	54	+366	-.05	+6	+36				
TEUNIS ROUND OAK CORONA.....	71	+1859	-.10	+52	+219				
ELEVATION TIDY SPECIAL.....	59	+1279	-.15	+23	+129				
PEPST KINGPIN JESTER.....	88	+1045	+.05	+45	+150				
HOBBSHAVEN JEWEL NETTY BOY....	83	+424	-.12	+2	+26				
WHITTIER-MURCH ROCKET SPECIAL.	76	+1246	-.09	+32	+142				
RUSSINWOOD ELEVATION NED.....	56	+975	.00	+36	+130				
MIL-SHI-MAR SENSATION.....	49	+1028	-.17	+12	+92				
STAUFFLAND ANGELON.....	34	+725	+.02	+29	+100				
TULLANDO ELEVATION SKY HIGH...	67	+2224	-.19	+49	+240				
BEECHER ECLIPSE-TWIN.....	98	+473	-.08	+6	+43	P	+27	-.08	85
						S	+37	-.04	47
TWIN-LAWN ELEVATION JASON.....	74	+2136	-.08	+65	+261				
JOLUDI ELMER CHIEF.....	72	+1876	+.02	+72	+255	S	+255	.00	48
JA-SAL GAY DUKE.....	71	+1168	-.17	+16	+109				
BLUFF-RIDGE CITATION NED.....	28	+40	+.10	+15	+29				
OLMAR THUNDER.....	81	+864	+.05	+39	+127				
RICH-DEN CHIEF ROMEO.....	50	+1360	+.01	+51	+183				
C GLENRIDGE OOP.....	96	+295	+.01	+12	+41	P	+38	-.02	49

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DANGE FOBES LEADER	88	+1228	-.08	+32	+141				
ARLINDA TRISTAR	91	+1159	-.15	+19	+114	P	+90	-.12	58
CHAPEL-BANK WINGAY	59	+761	-.02	+25	+96				
CHAPEL-BANK MAXMAKER	61	+1035	+.04	+44	+148				
THUMB-PRIDE PERFECTOR	51	+1986	-.16	+47	+219				
DONACRES DYNAMO-TWIN	73	+1985	-.08	+60	+242				
ST-CROIXCO ELEVATION LEE	66	+1635	-.07	+48	+197				
CURTMAID ASTRONAUT DIXIE	47	+1235	+.01	+47	+167				
TELWIL NED CHAD	65	+396	-.01	+13	+50				
GILTEX TRIUNE BOOTS	56	+1334	+.02	+52	+183				
HOLTEX SUMMIT	74	+291	+.07	+21	+56				
LEPRECHAUN DOMINANT	58	+1515	-.10	+40	+175				
GLEN-VALLEY ROCKET	51	+1524	-.22	+21	+142				
TWIN-LAWN ELEVATION ANDY-TWIN.	81	+1758	-.20	+32	+178	P	+148	-.14	47
HOFFLAND ASTRO DYNAMITE	51	+408	-.07	+4	+35				
SIR GLENRIDGE CITAMATT	91	+555	+.04	+26	+83	P	+81	-.01	68
M-V-B-A NED JOLLEEN JOLLY	90	+821	+.04	+36	+119				
AMES ROCKET CYCLONE-TWIN	86	+1472	-.20	+23	+142				
ECRASO FREE LANCER-TWIN	66	+1404	-.11	+34	+156				
CLOCKTON FARMS IDEAL CONQUEROR	69	+1162	-.17	+17	+110				
WENDORFS CINDERS COMET	63	+1417	-.02	+48	+181				
IMLINE STARBRITE	45	+1134	+.05	+49	+163				
DALAND ELEVATED ATOM	83	+1631	-.09	+45	+191	S	+183	-.06	52
IDELRIE ASTRONAUT CHIEF	88	+1457	-.06	+43	+176				
COLDSPRINGS ELEVATION FAGIN	68	+1912	-.08	+57	+231				
BATTIST ROCKET MAGNUS	74	+1791	-.06	+55	+220				
OLMAR STARBRITE	87	+1419	-.06	+42	+171				
TWIN-LOCUST CHRIS GAYIETY	68	+1292	+.03	+52	+180				
DELLFIELD BOOTMAKER DIVIDEND	45	+1223	+.01	+46	+164				
RO-KA-H STAR JESS	43	+1292	+.01	+48	+173				
TRI-TOWN STARS PRIDE	73	+1251	+.02	+52	+184	S	+175	-.07	43
MWS PENN-DELL KING LLOYD	57	+1134	+.08	+54	+172				
OWN-LEE ELEVATION LADD	65	+1144	-.07	+31	+133				
STEVINSON ELEVATION HENRY	67	+1221	+.02	+47	+166				
LEPRECHAUN VICTORIAN	50	+1916	-.02	+66	+247				
TRI-TOWN COFFEE BREAK	44	+1432	-.16	+27	+146				
DRAKEMEADOW VAN-VLIET-RED	62	+1245	-.15	+22	+125	S	+113	-.08	48
ARLINDA CEDAR	54	+984	-.01	+34	+127				
TRI-TOWN MEADOW SKIPPER	64	+1460	-.07	+42	+174				
BUTLERVIEW FABULOUS	66	+871	+.02	+35	+121				
MOREDA-LAGUNA CAPTAIN BOOTS	59	+1501	-.28	+11	+124	S	+115	-.06	50
TRENTON-PLACE ELEVATION MARVIN	72	+1571	-.12	+39	+177				
FAY-ARK MICKY DOUBLE MAJESTY	47	+1042	-.18	+11	+92				
KAM-JA FLAKER	37	+1095	-.08	+27	+123				
PARK-FOREST ELEVATION ASTRO	82	+825	-.10	+15	+83				
WILLARDS ELEVATION REFORM	70	+1157	.00	+42	+153				
ENG-AMER RIVA RIDGE	63	+699	-.12	+7	+61				
CYPRESS-HILL ASTRO CHIEF	79	+873	+.08	+44	+137	S	+150	+.10	60
FLORIDALE IMPERIAL PERFECTION.	79	+1299	+.04	+54	+184	P	+181	-.01	43
ROCBY NED LETA TANNSEN	48	+1673	-.04	+55	+211				
EDGEMEAD STAR RUDY	85	+1174	-.12	+25	+125				
HARLA H & R CHECKMATE	83	+1767	-.18	+35	+184				
ROCBY IMPERIAL IONE GRENADIER.	69	+1242	-.11	+28	+135				
BROOKFIELD FALCON	64	+1280	-.11	+29	+139				
KRON ELEVATION CHIEF ELMER	67	+1661	.00	+60	+219				
GOUVEIA KINGS RANSOM	57	+1404	+.08	+63	+206				
OCEAN-VIEW SEXATION	73	+1328	+.07	+59	+194	S	+204	+.08	58
ARLINDA JORDAN	91	+1694	-.20	+30	+170	P	+156	-.07	58
						S	+162	-.08	49
ARLINDA C A R DAIRYMAN	56	+1546	+.01	+57	+206				
ARLINDA ROCKET FAME	63	+1144	+.06	+51	+168				
JIM-MAR-D CAL-CLARK ELEVATION.	26	+1244	-.06	+36	+149				
KERICH EL SKYLAB	66	+838	-.06	+22	+96				
GRUENDALE SENSATION STAR	35	+1111	-.13	+20	+112				
LUND-DALE SUPERB NED	86	+1348	-.10	+34	+153				
MIDROCK ELEVATION DUKE	58	+1144	-.21	+9	+95				
LIAS LUMINOUS-TWIN	77	+1521	-.10	+39	+173				
FV KINGDOM-VIEW TOBY	48	+879	-.04	+26	+106				
CHIQUES-VIEW ELEVATION BELLE	76	+1120	.00	+41	+149	S	+143	-.04	55
BENDMEAD RORAE NED	62	+1280	-.08	+34	+148				
SUPER-VIEW BOW KNOTT-RED	52	+637	-.10	+9	+60				
I-O-STATE CHIEF FORD	80	+2664	-.20	+63	+294				
DROVERS-INN SUPER BLEND-TWIN	84	+1321	-.09	+34	+151				
MD-SUNSET-VIEW R A WONDER	67	+1565	-.19	+27	+156				
EXRANCO DYNAMITE-TWIN	74	+1331	-.13	+28	+141	S	+136	-.03	48
ENG-AMER CITATION FRANK	76	+1313	+.08	+60	+195				
RICH-J GAY IDEAL TRAVIS	60	+1024	-.11	+20	+106	P	+98	-.04	56
KEEF ELEVATION BARBER	57	+1013	+.02	+40	+140				
DUTCH-ACRES IMASTAR	81	+1192	.00	+44	+159	P	+161	+.01	46
KINGSTEAD COMET-TWIN	41	+987	-.01	+34	+127				
PARK-FOREST RON LASS	56	+1006	-.22	+4	+77				
SINKING-SPRINGS A ROCKET CALEB	85	+898	-.01	+31	+116				
S-W-D JUBILEE	75	+845	+.11	+47	+140				
TRI-TOWN SILVER WAVE	65	+1554	-.12	+37	+172				
SCENI-VALE APOLLO MANDATE	34	+1832	-.03	+61	+233				
KINGSTEAD ELEVATION MATADOR	84	+1425	-.20	+21	+136				
THONYMA ELECTRA	77	+2163	-.16	+52	+240				
L-PINE ARLINDA CHIEFTAIN	76	+1609	-.07	+47	+193				
QUIETCOVE BON BON	66	+1464	-.13	+33	+159				
ROCBY APOLLO HONOR TWO	81	+774	-.23	-6	+44	P	+27	-.09	43
KNOLLTOP RECKERS ACE	90	+1589	+.05	+66	+224				
M-JAYBEE GRAND SLAM-TWIN	79	+1009	+.16	+61	+175				
HARVUE BLACK KNIGHT ABS	72	+1639	-.12	+40	+183				
ARLINDA CHARGER	38	+1314	-.08	+35	+152				
ARLINDA CREST	64	+1792	-.20	+33	+182				
ATWATER-FARM MONITOR WEST-TWIN	77	+1631	-.09	+45	+191				
MIL-NOR-II DEACON-TWIN	62	+870	.00	+31	+114				
SHADE-ACRES ABNER IDEAL	82	+1377	-.14	+28	+144				
FULTONWAY TRANSFORMER	81	+958	+.01	+37	+131				
EAGLE-ACRES ELEVATION CAP	88	+1524	-.13	+35	+167				
CABIN-RUN ELEVATION LUKE	59	+1425	-.06	+43	+173				
STONEYLAWN PACLAMAR LEPRECHAUN	71	+1293	-.04	+41	+161	S	+152	-.06	65
I-O-STATE ROCKET BURKGOV LULU.	68	+1621	-.14	+37	+177				
RUANN MINUTEMAN	64	+1747	-.10	+47	+203	SI	+195	-.06	42
COMET TOP SPOT TOPPER	40	+1632	-.12	+41	+184				
OPPORTUNITY SHALIMAR	72	+1214	+.08	+57	+183				
WILCOXVIEW SENSATION ROY	47	+802	-.03	+25	+99				
GREEN-BANKS OAK STAR-TWIN	85	+1438	-.19	+22	+138				
GERLOFF SENSATIONAL SPARTAN	74	+2093	-.15	+51	+234				
ALICIAS ELEVATION PLATEAU	74	+1847	-.15	+43	+203	P	+190	-.06	44
HIGHER-VIEW REPUTATION	78	+1234	-.16	+21	+122				
FREEBROOK RAG APPLE SHAMROCK	85	+1225	-.13	+25	+129	P	+115	-.07	52
ADAMS-BROS COCKNEY PILOT	79	+992	+.19	+65	+181	P	+185	+.03	53
KRAHNS MEDALLION	82	+1561	-.16	+31	+162				
SKYHURST TOP CHIEF	54	+1289	-.06	+38	+155				
BOBWOOD-ACRES MONARCH SAMUEL	62	+1928	-.12	+51	+222				
OAK-HILLRANCH TEMPEST	71	+1805	-.07	+55	+221				
OAKMULGEE GEE OAK-HILL EXCLAIM	52	+1263	-.10	+30	+140				
ARLINDA DER PHONIX	63	+970	-.07	+24	+109				
C TAMLANE ROCKMAN SENATOR	95	+1494	-.15	+31	+158	P	+144	-.08	78
TEX-STEIN SUPREME-TWIN	39	+1268	-.01	+44	+164				
CLARETTA ELEVATION BUTTON	70	+1322	-.01	+47	+173				
ECRASO SILVER ROCKET-TWIN	59	+1843	-.21	+33	+185				
WIL-DO CARROLLTON DOMINATOR	80	+712	+.18	+53	+141				
EXRANCO RUFFIAN	81	+1516	-.08	+42	+178	S	+152	-.19	50
DUARTE-ACRES CHIEF GLENDELL	46	+1339	-.13	+28	+142				
MARVILLA DESIGNER-TWIN	64	+254	+.05	+16	+45				
ROBTHOM CHIEF BLAZE	65	+1500	+.03	+59	+206				
ROBTHOM ELEVATION SKYCHIEF	85	+1505	-.03	+50	+191				
NOWERLAND IDEAL CLIFFORD	62	+1576	-.01	+55	+205				
STRICKLER KEN ROYAL	73	+1217	+.10	+60	+188				
ENG-AMER VOYAGEUR ROBERT-TWIN.	51	+1581	-.17	+30	+162				
THUMB-PRIDE STARFIRE	62	+2311	-.05	+76	+292				
SAPA-SKA JEWEL CHIEF	83	+1953	-.24	+32	+191				

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ARLINDA ROTATE.	42	+2362	-.05	+78	+299				
SHUFARMS ELEVATION LUCKY	39	+1323	-.02	+45	+170				
LA-DINE NED STARLITE BEN	71	+1834	-.05	+59	+229				
LARRYDALE TALLYHO	57	+704	-.03	+21	+85				
BROOKVIEW MILKMAKER-TWIN	77	+1125	-.08	+28	+127				
DANDI KNOWN VIOLENCE	41	+871	-.14	+10	+78				
ROMOLYM TRIUNE NADER	88	+288	-.04	+4	+27	P	+21	-.03	48
KNOB-VIEW JEWELMAKER	68	+1542	-.07	+45	+185	S	+168	-.12	42
LIME-VALLEY LUCKY PRINT-TWIN	76	+2018	-.01	+71	+263				
EAGLE-ACRES CHIEF KNIGHT	81	+1184	-.01	+41	+153				
ROCBY FAYNE VENTURA	62	+1689	-.07	+50	+204				
DUNKOMO KNIGHT CRAWLER	63	+1852	-.18	+39	+196				
MONTY-KAY CHIEF ELEVATION	49	+1281	+.04	+53	+181				
RAFTER-M ELEVATION RAMROD	48	+969	+.19	+64	+178				
REU-HEL FARMS ROCKETFIRE	56	+1670	-.19	+30	+168				
RONDOUT IDEAL SUNSHINE	72	+856	-.05	+23	+99	P	+91	-.04	47
K-WAY APOSTLE KING VIC	77	+1644	.00	+59	+216				
IV-ANN CHIEF STRIKER	66	+1256	+.01	+47	+169				
SEACORD-FARM SEARS ALCOTT	77	+1656	-.17	+34	+174	P	+165	-.04	49
WILLOLEA BOUNTY BOY	59	+1717	-.05	+54	+213				
WILLOLEA SUNSETTER	62	+1033	-.04	+31	+125				
KINGWAY ELEVATION VERY	91	+973	+.31	+42	+209				
GEE-BAR-DEE MARCUS ESQUIRE	53	-166	+.01	-5	-20				
HIDDENDALE APRILS COMBINATION.	68	+1393	-.09	+36	+159				
MINES SUPER STAR	66	+1487	-.06	+45	+181				
WITHERS DOLAN	58	+1610	-.07	+48	+195				
THONYMA COMMANDO	75	+1851	-.17	+40	+198				
FARMCREST MADELLO	74	+1103	+.14	+61	+182				
VILLAGE-EDGE REBEL	67	+1745	-.02	+60	+225	P	+213	-.06	42
SINKING-SPRINGS ROCKET MANDATE	72	+1656	-.15	+36	+178				
CLINGCO DUKE APOLLO 2	41	+1091	-.08	+27	+123				
CONANT-ACRES BRIGADIER MIGHTY.	56	+342	-.07	+2	+27				
JO-JON MALCOLM C	48	+1842	-.11	+50	+215	S	+206	-.06	46
MAHONEY ELEV	61	+453	-.02	+14	+56				
KJH HAZEL MAGNET HE-MAN	89	+1541	-.15	+32	+163				
FOUNTAIN-HILL R A ACHILLES	84	+2693	-.37	+35	+248	P	+218	-.14	56
PENN-DELL GAY JESS	71	+872	+.06	+41	+131				
LAURA-LE ELEVATION MAGIC	94	+1217	+.10	+59	+186	P	+191	+.03	87
KILLDEE ASTROCHIEF WISEMAN	84	+1471	-.03	+49	+187				
WAYSIDE-ACRES STARBOY	60	+1319	-.07	+37	+156				
DUARTE-ACRES APOLLO	35	+1320	-.10	+32	+147				
WELMAC GAY AMOS-TWIN	50	+946	-.05	+27	+112				
JUNE-ACRES RAG APPLE HEILO	60	+1979	-.17	+45	+216				
MD-GAYWINDS ELEVATION ZAN	54	+982	-.27	-5	+60				
SILVA-DAIRY STARLITE KIT	68	+1910	-.27	+26	+178	S	+143	-.25	51
GILTEX MARCUS A	49	+221	+.01	+10	+33				
SHELMAR-ACRES MARCUS DAYBREAK.	56	+373	-.07	+4	+33				
E-Z-ACRES MAGNET COLOSSAL	55	+1674	-.27	+18	+148				
TABUR RADAR	61	+2042	-.11	+56	+239	S	+230	-.06	57
TRI-TOWN STEADY STAR	79	+1904	-.19	+38	+198	S	+180	-.13	64
POTTS APOLLO ORCHARD CREST	61	+1545	-.08	+44	+184	S	+173	-.08	56
AUFDERMAUR AL CHIEF	42	+1728	-.12	+44	+196				
CHAR-SAM STARLITE KING	69	+1326	-.01	+46	+172				
HOLMAR ELEVATION TEDDY	77	+292	-.01	+9	+36				
PRUITTS DYNASTY	63	+1610	+.03	+63	+221				
HARMONY-CORNERS SIMON-TWIN	75	+1756	-.06	+54	+215				
RICH-RU CHIEF ELKARA	79	+1197	-.06	+35	+144	P	+130	-.07	53
LDH PABST NEBULA.	83	+799	+.04	+35	+116	P	+106	-.05	59
S-S-F ASTRONAUT BLEND	54	+1518	-.10	+39	+173				
M-V-B-A WYAN LEAH CHEROKEE	86	+1038	+.03	+43	+146				
ROLLING-LAWNS ELEVATION DANDY.	37	-11	-.04	-6	-11				
PACK-HERD ELEVATION TERENCE	81	+1330	-.08	+36	+155				
JOLIAM MONITOR STANDO MAGIC	59	+1478	-.12	+35	+163	S	+153	-.07	42
DEDOCO ROCKET HARTLEY	69	+1656	-.07	+49	+200				
GEE-BAR-DEE CHIEF ALEXANDER	43	+1834	-.14	+45	+205				
TWINING-BROOK BOROS	37	+634	-.01	+22	+82				
PARADIGM RICHARD NORAS ELEVA	29	+235	+.07	+19	+49				
VIR-CLAR GAY JOHN JUAN	80	+1583	.00	+57	+209				
EAGLE-ACRES STARLITE ALLEN	66	+1479	+.03	+58	+203				
LE-DEL APOLLO DUSTER	74	+1239	-.15	+22	+124				
BENBRO BRUTUS	67	+1178	-.06	+33	+139	P	+132	-.03	42
MAHONEY HIGHBOY	51	+1221	-.09	+30	+137				
WIL-O-JON BELLRINGER	79	+1081	-.03	+34	+134				
ECRASO ASTROGLEN JAX	67	+1732	-.17	+36	+183	S	+152	-.22	55
BEVRON-ACRES STARLITE MATT	55	+1137	-.07	+30	+131				
DORLOY MONITOR DINO	76	+1357	-.12	+31	+148				
OVALTOP INDEPENDENCE	78	+1163	-.02	+39	+148				
COLDSPRINGS GOLIATH.	66	+1600	-.15	+35	+172				
GLEN-ETT GAY JERRY	36	+1302	-.11	+30	+142				
DUKE JADE STARLITE OF R-K-O	83	+1732	+.04	+69	+240				
HARPAIN VICTORY	41	+1483	-.02	+50	+190				
VALENTIA MONARCH KINGSMAN-TWIN	72	+1832	-.18	+38	+193				
WALKWAY MONITOR JOEL	82	+1358	.00	+49	+179				
BELLEVERNON STARGAZER	86	+1190	+.04	+49	+167	P	+156	-.06	69
REYNACRES KIRK ROMA	84	+1662	-.16	+35	+176	P	+163	-.07	61
ZONNEVELD MAGNET KING	51	+1351	-.09	+35	+154	S	+148	-.04	43
M-V-B-A ROMEO JOLLEEN BENEFIT.	68	+1021	-.09	+24	+113				
G-J STARFLEET	62	+1420	-.03	+47	+180				
LITTLE WILLOW HAMILTON	70	+1071	-.04	+33	+132				
OAK-HILLRANCH ELDEN	35	+947	-.03	+30	+118				
LORITA ALLIANCE	45	+885	-.09	+19	+94				
AR-LOY WYANDALE HUTCH KING	80	+1409	.00	+51	+186				
LONG-HAVEN LOUIS	67	+1714	-.08	+49	+204				
SILVA-DAIRY ASTRO CONSTITUTION	69	+340	+.03	+17	+53	S	+63	+.08	41
EXRANCO ELECTRON-TWIN	75	+1516	-.03	+50	+192				
HOLLER-VIEW ELEVATION MARC	41	+2199	-.04	+73	+279				
SIDHIL TRIUNE CASANOVA	77	+1020	-.02	+34	+130	P	+112	-.09	49
LUCKY-ROYAL ROCKET STARDOM	72	+1399	-.10	+36	+160	S	+145	-.10	45
EXETER-HILLS FONZIE	69	+1196	+.03	+48	+166	S	+172	+.05	49
POLY CHIEF CENTENNIAL	55	+1706	-.01	+60	+222				
PHELPS-ECHO ASHFORD	75	+1211	+.02	+47	+165	P	+145	-.10	44
KIN-VALE ROANOKE	60	+1263	-.04	+39	+155				
DUNRENTIN ROCKET SUPERSONIC	58	+1671	-.10	+45	+194				
WILGERBIN ELEVATION HERO-TWIN.	50	+1897	-.08	+56	+229	P	+209	-.09	42
SINNISSIPPI SKOKIE SPOT-TWIN	72	+1990	-.21	+38	+204				
KIT-WAY JEWEL FONZ	37	+1263	-.15	+23	+128				
RAMBLEWOOD KINGS RANSOME	61	+1356	-.16	+24	+136				
COTTONWOOD-VALE G D GLEN-TWIN.	55	+1743	-.12	+44	+197				
RUANN AC LOGIC	74	+1684	-.03	+56	+214				
RUANN ROCKET ROSSITER	76	+1983	-.28	+27	+185				
GLEN-VALLEY FIRST FOREMAN	66	+1269	-.18	+18	+120				
JUNE-ACRES ARLINDA IDEAL LADY.	36	+805	-.07	+19	+89				
JUNE-ACRES RAG APPLE BETTERWAY	35	+687	-.17	0	+48				
WEL-HI SENSATION NORM	51	+660	-.11	+8	+60				
ARLINDA VIOLIN	44	+1699	-.16	+37	+182				
ARLINDA TILLER	74	+1425	-.03	+47	+180				
JO-JON BLACK MORRIS	49	+931	-.05	+26	+110				
APPLENOTCH EDWARD	43	+1096	-.04	+34	+135				
M-V-B-A DELL DANDY DELIVERER	75	+1784	-.07	+53	+216				
AUCREEK G IDEAL ROCKET	51	+1613	-.15	+35	+173				
MORRILL SELMA B-J ALADDIN	76	+1023	+.04	+43	+145				
VIEW-HOME EVOLUTION	71	+2087	-.33	+22	+184	P	+143	-.01	48
PLATZ ARLINDA GLORY STAR T	64	+1097	-.08	+27	+123				
STILLWELL OLLIE STAR	71	+334	+.04	+18	+54				
LUCK-E CHIEF TRI-COUNTY	76	+1878	-.11	+51	+219				
BEL-DAR FINESSE	69	+1305	-.02	+45	+168				
WILLMONT ROUND-UP	70	+1387	-.15	+27	+143				
OAK-LB LUCKY ASTRONAUT	37	-18	-.09	-14	-25				
WILLOLEA DANNY BOY	80	+1379	-.07	+39	+163				
DUNGA-BROOK ANTICIPATE	79	+1116	+.04	+47	+159	S	+158	-.03	52
GLEN-LU-CREST SUPER SPORT	76	+594	+.10	+37	+105	P	+158	.00	61
SALACRE EXPLOSION JET	56	+1385	-.11	+34	+155				

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KNOB-LICK GENERATOR	74	+926	+.01	+35	+125				
PURINTONDALE APOLLO VIKING	81	+1541	-.04	+50	+194	P	+179	-.08	61
WENDORFS BRIGADIER	72	+1305	-.12	+29	+141				
AMES STARLITE CHIEF	75	+967	+.03	+39	+135				
ROYVIN GAY PACER-TWIN	46	+1789	-.11	+48	+207				
SILVA-DAIRY ELEVATION BERETTA	64	+1305	-.17	+21	+127				
LEPRECHAUN SUPERIOR	90	+1179	-.16	+19	+115	P	+103	-.06	62
DIXIE-LEE FASHION DESIGNER	68	+1266	-.03	+42	+161				
STRICKLER ROCKET REBEL	64	+1190	-.05	+35	+143	S	+141	-.01	44
HUL-BRITE MILKMAKER	74	+1617	-.08	+46	+192				
DIAMOND-S GAY MODEL	25	+725	-.04	+21	+87				
LARIGAN ARLINDA CHIEF ADAM	28	+632	+.01	+24	+85				
CHAPEL-BANK TELSTAR CHIEF	61	+1568	-.07	+46	+189	P	+170	-.09	49
DREAMSTREET WILLOW MAGIC-OC	51	+1085	-.14	+18	+107				
JUNE-ACRES AMY CHIEF	50	+254	-.03	+5	+26				
DANDY-LEA BICENTENNIAL BART	72	+1159	+.01	+44	+157				
STRAIGHT-PINE JASON-RED	28	+626	-.11	+7	+56				
VIGO STARLITE ELVATE	59	+1253	+.04	+51	+175				
SWEET-HAVEN WHITE LIGHTENING	86	+1260	+.03	+50	+174	S	+165	-.06	50
FRENA PIONEER TAURUS	45	+657	+.01	+26	+91				
VALENTIA PIERRE	46	+1875	-.08	+55	+225				
CURTMAID JUPITER RABBI	67	+1076	+.10	+54	+168				
FRADAN R O STAR	50	+840	+.03	+35	+119	S	+113	-.05	41
KEN-RIC MARCUS NEIL	67	+1835	-.25	+26	+173				
COLDSPRINGS GANGSTER	69	+1323	-.08	+35	+153				
ROCBY ROYAL CAVALIER	45	+1249	-.03	+41	+158				
REMVALE ELEVATION SAXON	77	+1192	+.06	+52	+173				
STAR-SUMMIT GAIETY	73	+1307	-.10	+32	+146				
FLEMVALE SPARTACUS	68	+1171	+.06	+51	+169				
NOWERLAND REVENUE	69	+1581	-.17	+30	+162				
MARION-ADDIE CHIEF VOYAGEUR	72	+2520	-.30	+41	+246	P	+212	-.16	41
MOODYS PAT TROY	72	+1844	+.07	+78	+263	P	+251	-.06	41
MIL-NOR-II DESIGN	58	+1636	-.01	+58	+214				
ECRASO A ROCKET ERIC	72	+2028	-.16	+48	+224				
CASS-RIVER SELECT DELEGATE	64	+1611	+.02	+61	+217				
BAR-VEE LUCKY ROCKET	41	+1119	-.04	+34	+137				
COW-CREEK CONFIDENCE	44	+280	+.04	+16	+47				
S-S-F GAY IDEAL BUBBLER	77	+1455	-.22	+19	+134				
GIL-TEX-B MILKMASTER-TWIN	66	+1780	-.03	+60	+227	S	+218	-.07	50
MARLU REVELLER	56	+1311	-.09	+33	+148	S	+135	-.09	47
GILTEX ZEPPELIN	43	+581	+.09	+34	+99				
RICHLAWN SHALIMAR SIDNEY	67	+2208	-.30	+31	+207				
CURTMAID ELEVATION JO	55	+1799	-.10	+49	+210				
CAL-CLARK BOARD CHAIRMAN	76	+2362	-.10	+69	+284				
HOLTEX CHIEF TRIUNE	37	+1293	+.04	+53	+181				
HAR-JO-AN IMPERIAL RAMPART	76	+1671	-.21	+27	+163	P	+143	-.10	50
DELLYN PATRICK	70	+1634	-.10	+43	+188				
HARMONY-CORNERS DUKE	42	+1208	-.06	+35	+145				
WINTERMEN CASCADE	76	+2030	-.24	+35	+202	P	+188	-.07	46
BUSY-ACRES ANNZIBAR MIDAS	67	+1592	-.01	+57	+209	P	+202	-.03	46
DUARTE-ACRES IVANHOE CHIEF	41	+1528	-.08	+43	+181				
BAYCROFT MARLU TRENTON	68	+1454	+.10	+69	+220				
LEADFIELD COLUMBUS-ET	48	+2717	-.16	+71	+312				
HILMAR STAR CHIEF	36	+1269	-.07	+36	+150				
HILLIANA NICKY	44	+1989	-.14	+49	+223				
WILLOW-TERRACE ASTRO AUGUSTA	74	+859	+.06	+40	+129	P	+127	-.01	57
OLMAR BEST LITE	91	+853	+.05	+39	+127				
THONYMA JURYMAN	62	+1164	-.11	+26	+126				
PATTERSONS POLITICIAN	67	+1066	+.12	+57	+172				
CURTMAID GAY BOY BELLOWS	70	+1054	-.05	+30	+125				
SUNNY-CRAFT CHIEF SPIRIT	72	+1844	+.06	+77	+261				
MARTENS ASTRO GAY	76	+1843	-.25	+27	+175				
LOCKET CHIEFTAIN-RED	36	+702	-.10	+10	+66				
COON-PRAIRIE COMMANDER-TWIN	36	+1265	-.06	+37	+152				
HAIDAN ROCKWELL	71	+1003	-.04	+30	+122				
ARTEVEL ELEVATION PRO	56	+1636	-.03	+54	+207				

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LAURA-LE STARLITE MYSTIC	50	+1121	-.02	+37	+142				
BOSSIR BIG ROCK	80	+1610	-.11	+41	+183	S	+182	-.01	42
COLDSPRINGS HAKIM	59	+1825	+.01	+68	+244				
DAB MONITOR FROST	75	+1555	-.07	+45	+186				
HIGHER-VIEW ASTRO MATT	34	+1962	-.14	+48	+220				
MAIZEVALLEY CHIEF STARLITE	36	+2061	-.21	+41	+214				
MERRIMAN ARLINDA HARTOG	53	+1365	-.02	+46	+174				
WACHTERDALE MAGNET ROMAN	72	+956	+.12	+53	+158				
CAL-CAB DEBONAIR	50	+348	+.02	+16	+52				
RAFTER-M MAGNET	48	+2036	-.07	+62	+249				
CURTMAID MAGNET MIDY-RED	44	+849	+.03	+36	+121				
WILLOLEA GUIDING LIGHT	59	+1356	-.02	+46	+174				
AMYS CHIEF PYRAMID-TWIN	73	+270	+.14	+30	+70				
POLY CHIEF CLASSIC	63	+1266	-.05	+38	+154				
A & H WAPA	51	+1470	-.11	+36	+165				
COLLINS-HI-VIEW ELIMINATOR	47	+1026	-.06	+28	+120				
APPLENOTCH BETTYS ANDY	41	+1395	-.08	+38	+163				
UNIQUE-ACRES PRIDE ORMSBY	38	+1228	-.10	+29	+136				
LONG-HAVEN SPOTLIGHT	75	+694	+.13	+45	+126	P	+110	-.08	50
IVAJEN LONE RANGER	66	+1379	+.08	+63	+205				
POTTS IVANED CHIEF	67	+855	+.15	+54	+153				
PANDADALE DEFIANCE	74	+1900	-.15	+45	+210	P	+202	-.04	56
KENTS-RESERVE KINGLEA JETSET	43	+1630	-.17	+33	+171				
HI-DE-HO LAUXMONT ROCKET	45	+1200	-.05	+36	+146				
WILLOLEA PLAYBOY	84	+963	+.05	+43	+141				
JERGENS ELEVATION LOUIS	75	+1057	-.06	+30	+125				
NEWAY GLENDELL CHIEF ARROW	59	+1939	.00	+70	+256	P	+241	-.07	46
PENN-DELL CALCULATOR	59	+2108	-.15	+53	+238				
KHH PAT OXFORD	61	+1562	-.04	+51	+197	P	+178	-.10	42
JO-EL KIRK CHIEF DIABLO	56	+1145	-.07	+31	+133	P	+128	-.02	41
CRESCENTMEAD PINTO	65	+1341	+.04	+55	+188				
GARRDALE CHIEF MAGNET 522	43	+2326	-.28	+38	+228				
HARPAIN MONITOR QUINN	47	+765	-.01	+27	+100				
DREAMSTREET FAST BUCK	32	+995	-.02	+33	+126				
MICHAEL ELEVATION ANIMATOR	39	+1300	-.11	+30	+142				
EXETER-HILLS KP FORESIGHT	69	+1418	-.16	+26	+144				
LOVDAL MAGNET CHIEF FALCON	65	+1388	-.15	+27	+143				
CARNATION MIRACLE MAN	47	+1410	.00	+52	+188				
REU-HEL FARMS CHIEF STANDARD	69	+1459	+.02	+56	+198				
SYLVAN-T STARLITE GALAXY	56	+1649	+.04	+66	+229				
WALKER-FARM ASTRONAUT DENNIS	64	+1634	-.02	+56	+210	P	+198	-.05	44
WINDSWEPT-M MAJESTIC	44	+1766	-.05	+57	+221				
SLEEPY-HOLLOW MAG CHIEF-RED	62	+892	.00	+33	+119				
PEAKS-VIEW PRINCEP	39	+1677	-.18	+33	+174				
RFV DANSEUR	49	+1595	-.11	+41	+182				
SUN-KOTA GENIE GENIUS	43	+1221	+.04	+50	+171				
YARD-O-UTE BARN-CO MILU DEMAND	55	+1199	-.05	+36	+146				
NORRIELAKE KIRK DASHER-TWIN	59	+1654	-.34	+7	+127				
COLDSPRINGS HAMLET	61	+1903	-.20	+37	+196				
PRODUCERS STEVE	47	+1111	-.05	+33	+134				
FLOLEEN BEN GAY	46	+1094	+.05	+47	+157				
TIGER-LILY TOBY ROCKET	59	+2425	-.19	+57	+267				
CARNATION GLENVIEW JOE-ET	67	+1332	-.05	+40	+162	P	+153	-.04	40
GLEN-ETT MILU BENEDICT	78	+1680	-.15	+37	+181				
ROBTHOM TENOR	57	+1489	-.08	+42	+176				
ROBTHOM RORAE VEEMATT KURT	61	+1287	-.13	+27	+136				
ROCKALLI MAGNEETO	45	+1859	-.10	+52	+219				
POTTERS-FIELD MYSTIC	68	+1661	-.07	+49	+200	P	+181	-.10	49
SINGING BROOK STARMATE	63	+858	+.17	+56	+156				
KISH-VIEW JUPITER KISHCO	53	+1517	.00	+55	+200				
TREBDALE IVANHOE G A CHIEF	78	+1286	+.09	+61	+195				
LEPRECHAUN BARNEY	32	+1257	-.15	+22	+126				
VIGO FARM CHIEF JULIAN	63	+1407	+.01	+53	+189				
GOUVEIA ROCKETIER	61	+1902	-.21	+35	+193				
JOYLAND FORCASTER STARLITE	73	+1386	+.13	+71	+219	P	+210	-.04	53
MAPLE-RIDGE-VU JOE	43	+1626	-.10	+44	+189				
PRODUCERS HOBBY	38	+1406	-.17	+24	+139				

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LEEANDY STARLITE TIDY.....	80	+1339	+.04	+55	+188	P	+175	-.06	40
MAPLEBOUND LEANDER.....	30	+941	-.04	+28	+114				
WESTPORT APOLLO JEWEL.....	40	+1664	-.04	+54	+209				
WALHOWDON CONDUCTOR ENGINEER..	40	+2020	-.15	+49	+225				
S-S-F JOB BUGLER.....	66	+1374	-.07	+39	+163				
ASPENWAY BLACK B MATT.....	65	+1069	-.07	+28	+123				
CYKIL STARLITE BRAVO ENCORE..	55	+1165	-.05	+34	+140				
LAWCREST ATTRACTION.....	63	+1538	-.06	+46	+186				
D-V-C MONITOR ARION.....	51	+1459	-.15	+30	+153				
GERANJO CHIEF IVAN.....	43	+2315	-.23	+46	+241				
G J FLEETSTAR.....	53	+1612	-.17	+32	+168				
FREDLUND CHIEF TITLE.....	66	+1241	+.03	+49	+171				
THONYMA MOONSHOT.....	70	+1451	-.08	+40	+170				
JUNGE J S SCOUT	71	+1693	-.22	+26	+163				
FIVEBROOKS STARFIRE.....	66	+1928	-.09	+55	+229				
OCEAN-VIEW DESTINATOR.....	44	+1061	-.02	+36	+136				
ARNOLD-ACRES SUNDANCE.....	39	+1116	+.02	+43	+152				
MARLU COMMANDER CLARION.....	46	+1036	-.04	+32	+127				
HARDYS STARWARS.....	37	+1652	-.11	+43	+189				
C-F-D MR WILLOWVATION.....	55	+1364	-.06	+41	+166				
COLDSPRINGS HELIOS.....	68	+1981	-.13	+51	+226				
COR-VEL ENCHANTMENT.....	36	+2093	-.14	+54	+239				
EDMARAL SHAMROCK QUERY.....	48	+1353	-.17	+23	+134				
C PAPERMAN STARLITE NASTASE...	65	+1750	-.15	+40	+191				
ALLEGEN CONDUCTOR DAN.....	47	+1124	+.09	+55	+173				
OCEAN-VIEW KNIGHT PAT-TWIN....	52	+1315	-.08	+35	+152				
APPLE-ACRES COMMANDER BANNER..	60	+1041	+.05	+45	+150				
YARD-O-UTE MILU BOOKIE.....	32	+1439	-.07	+42	+173				
PINTA-LANE CONDUCTOR JASON....	50	+1693	-.01	+60	+221				
CURTMAID MI-BET AMOS.....	30	+1237	-.10	+30	+138				
LE DEL SUPERSTAR.....	42	+1626	-.18	+30	+165				
VIGO CONFORMATION.....	34	+1346	-.10	+34	+152				
DO-LENE ELEVATION MONITOR LAD.	51	+1350	-.08	+36	+156				
YARD-O-UTE MONITOR FESTUS.....	41	+1007	+.05	+44	+146				
ROYBROOK STARLITE.....	99	+1393	+.15	+74	+225	P	+216	-.04	88
						S	+238	+.10	79
KARNVILLA PERATION.....	63	-295	+.08	+1	-19				
BOND HAVEN ROYALSTAR.....	97	-94	-.06	-12	-27	P	-34	-.04	76
						S	-35	-.06	43
TRUDGEN CENTURION DOMINION....	50	-323	.00	-12	-43				
QUALITY ULTIMATE.....	98	-143	+.02	-2	-13	P	-38	-.14	91
						S	-33	-.15	43
STONETOWN SUPREME-RED.....	56	-258	+.04	-4	-25				
ROYCEDALE ADMIRAL.....	43	-1151	-.01	-43	-154				
ROMANDALE TELSTAR JUSTIN.....	69	-775	+.17	-6	-64				
SHORE STYLIST.....	35	-458	+.01	-15	-58				
WYKHOLME DEWDROP SUPREME.....	56	+300	+.01	+13	+43				
ROYBROOK ENVOY.....	49	-932	+.13	-17	-94				
ROMANDALE CRUSADER.....	59	-860	+.02	-28	-108				
LANGVIEW ASTRONAUT.....	35	+227	-.14	-12	-5				

Jersey

B.S. NOBLE SUPERB.....	97	+1092	-.21	+34	+135	P	+138	-.03	84
GRAMHIL LEADER SOPHIA SAMSON..	99	+1360	-.21	+47	+176	P	+170	-.11	37
						S	+178	-.06	65
SUPREME VIRGINIAN.....	98	+1236	-.29	+33	+143	P	+136	-.13	92
						S	+145	-.06	55
BRIARCLIFFS BOLD TORONO.....	96	+1539	-.49	+27	+154	P	+134	-.22	89
GENERATORS ORATOR OF OGSTON...	92	+1274	-.48	+16	+116	P	+99	-.21	76
GENERATOR HL EARL.....	96	+1562	-.37	+41	+180	P	+182	-.06	88
PHILS FAVORITE JUAN.....	93	+560	+.06	+34	+98	P	+104	+.02	84
						S	+95	-.10	50
FOREST MIDNIGHT.....	94	+1348	-.29	+39	+161	P	+151	-.14	88
MILLS SPARKPLUG.....	84	+947	-.23	+25	+109	P	+99	-.14	68
						S	+109	-.11	43
FORESTERS PROMOTER.....	80	+1207	-.01	+60	+187	P	+188	-.04	59
CAMELLIAS GENERATOR CARL.....	62	+1497	-.37	+37	+168				
GENERATORS JEWELER.....	98	+1646	-.46	+35	+175	P	+145	-.31	91
BRIARCLIFFS SOLDIER BOY.....	89	+1992	-.29	+69	+258	P	+251	-.16	74
BRIARCLIFFS BRAVE SOLDIER.....	86	+1754	-.42	+44	+198	P	+194	-.12	76
SILVER FIRECHIEF.....	78	+1146	-.13	+45	+157	P	+164	-.01	57
MASTER MILESTONE C.....	58	+1624	-.11	+71	+235	P	+249	+.04	42
SUMMETZ SAFETY DEPOSIT.....	81	+782	-.02	+38	+120	P	+125	-.01	50
W.F. SECRET JAVELIN.....	82	+1047	-.28	+25	+116	P	+116	-.05	44
BRIARCLIFFS OBSERVING PERFORME	75	+1433	-.19	+53	+191	P	+190	-.07	60
SAND HILL BTG SPARKLE.....	51	+1292	-.23	+42	+162				
EHV SILVER VERMONTER.....	96	+978	-.10	+40	+137	P	+132	-.08	88
SHADEWELL FASCINATOR.....	94	+1414	-.10	+61	+204	P	+205	-.05	78
BRIARCLIFFS BOLD EXPLORER.....	51	+886	+.02	+47	+143				
TENN SOLDIERS PRIDE.....	75	+1710	-.31	+54	+212				
FAVORITE SAINT.....	55	+2248	-.49	+59	+258				
QUICKSILVER NOBLE.....	82	+1334	-.23	+44	+169	P	+169	-.07	58
QUICKSILVERS MAGIC OF OGSTON..	74	+1856	-.28	+64	+240	P	+234	-.12	58
MILKNHONEY GENERAL.....	39	+1455	-.13	+60	+205				
HI-LAND FAVORITE ALEX.....	65	+1162	-.22	+37	+145	P	+143	-.07	56
GRAMHIL OBSERVER POET.....	68	+1604	-.16	+64	+222				
MINNIE PANSY QUICKSILVER.....	93	+561	+.17	+44	+115	P	+119	.00	83
TRISTRAM LEADER OF C.B.V.....	24	+499	-.12	+14	+59				
SCHULTZ RAIN DANCE.....	61	+1196	-.35	+25	+126				
STARDUST GEMINI.....	74	+1094	-.06	+49	+161				
GENERATOR TRISTRAM.....	69	+986	-.24	+26	+114				
BRIARCLIFFS BLACK MAGIC.....	63	+1861	-.37	+55	+224	P	+224	-.07	42
MAPLELAWN SILVER AARON.....	83	+1168	-.08	+51	+169	P	+178	+.01	61
HOMESTEAD NOBLE TRIUMPH.....	23	+1262	-.19	+45	+165				
MLF SECRET SOLDIER.....	88	+1169	-.05	+54	+174	P	+169	-.09	64
BARLU CHOCOLATE SUNDAE.....	56	+1842	-.40	+50	+215				
OGSTON SILVER ZEV.....	68	+1310	-.39	+27	+138	P	+121	-.18	43
A-NINE CALL ME GREAT.....	50	+1956	-.43	+53	+228				
MILLS SECRET.....	56	+1105	-.29	+27	+124				
FREDESTEL SECRET SUCCESS.....	70	+1197	-.16	+44	+159				
EHV NOBLE.....	91	+819	+.30	+70	+178	P	+177	-.03	74
JODYS NOBLE SURVILLE.....	77	+1036	-.15	+38	+138				
SHAKER VIEW SLEEPING ENCORE...	57	+1393	-.41	+29	+147	P	+135	-.15	48
THRILLS SLEEPING REVUE.....	45	+770	-.11	+28	+102				
S.H.F. BOOTMAKER.....	49	+1339	-.21	+46	+173				
CELIAS MASTER OF FALLNEVA.....	82	+1026	-.06	+46	+151	P	+163	+.03	57
						S	+163	+.07	44
OBSERVER CHOCOLATE SANTA.....	75	+1218	-.01	+60	+188	P	+193	-.03	54
SARGENT PLUS.....	88	+1267	+.02	+66	+202	P	+203	-.06	74
TENN SILVER GEM.....	50	+1146	-.07	+51	+168				
NEV-R-DUN TERRIFIC TEMPTATION.	54	+1471	-.32	+41	+173				
SCOTCH VIEW GENERATOR JUPITER.	82	+1741	-.46	+39	+189	P	+174	-.19	58
HIGHLAND OBSERVER SPIRIT.....	85	+1701	-.31	+53	+210	P	+197	-.18	58
OGSTON SOLDIER ZEV.....	56	+1006	-.05	+46	+149				
ROCKY HILL BATKELLE.....	39	+1003	-.28	+23	+110				
W.F. ORATOR TRAVIS.....	51	+1462	-.28	+45	+179				
HI-LAND EMPIRE STATE 78.....	41	+1515	-.30	+46	+185				
EDYVEANS CELEBRITY.....	53	+1714	-.29	+56	+216				
FAIRVIEW ORLANDO.....	77	+1195	-.29	+31	+137	P	+135	-.08	50
ACACIA ACRES P.F. TROJAN.....	72	+1161	-.11	+48	+164	P	+162	-.07	53
MAYFIELD VOLUNTEER.....	52	+1107	-.04	+52	+167				
EHV MARK 2ND.....	37	+1395	-.21	+49	+182				
FOREST GLEN POMPEY MONARCH....	42	+1218	-.13	+48	+168				
A-NINE TOP BRASS.....	52	+1669	-.16	+68	+233				

Brown Swiss

BLACKLAND BLOSSOMS EL-BRITE...	96	+947	+.07	+47	+147	P	+163	+.09	81
MAPLE GROVE ROCKY.....	74	+825	-.14	+16	+85				
L-J FIDDLE S.....	85	+890	+.05	+42	+134	P	+129	-.03	41
WHITE CLOUD DORIS JETWIND.....	45	+233	-.03	+6	+27				
NAKOTA PAVANNE EVILO.....	94	+2351	-.18	+69	+283	P	+272	-.10	78
ROLLING VIEW MODERN STRETCH...	98	+1453	-.09	+47	+182	P	+189	+.02	92
						S	+194	+.07	56
HIGHLAND ACRES ECHO JESS.....	68	+465	-.09	+8	+46				
EVER GREEN CLAIRABELLE IKE....	34	+775	-.07	+23	+94				
MAPLE GROVE PERFORMER.....	97	+1342	-.18	+31	+147	P	+134	-.10	86
						S	+140	-.11	45
HARRIS HILL TOM JONES.....	97	+1162	-.03	+43	+155	P	+157	-.01	84
ES PUNCH RAY.....	84	+886	+.05	+42	+134	P	+140	+.04	52
BRIDGE VIEW DISTINCTION.....	79	+1725	-.09	+58	+220	P	+214	-.06	48
E E BEAUTICIAN KING.....	96	+1515	-.19	+36	+168	P	+152	-.12	87
NORDENTAHL BEAUTICIAN HAMLET..	61	+805	-.15	+13	+79				
LAR-LE STRETCH TITAN.....	77	+1262	-.24	+19	+121				

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WEST LAWN DORSET IMPROVER.....	54	+1260	+.01	+52	+177				
MARTY L TORO.....	41	+892	-.01	+35	+122				
TATEYS ELEGANTS VICTOR.....	47	+530	.00	+21	+73				
BRIDGE VIEW REWARD.....	30	+1229	-.06	+42	+158				
WEST LAWN STRETCH IMPROVER....	98	+1559	-.06	+55	+203	P	+208	+.01	90
STONE STRETCH PERFECTION.....	89	-414	+.05	-11	-48	P	-48	.00	65
SLEEPY MEADOWS TICIAN SUPREME.	57	+671	-.02	+24	+88				
VINE VALLEY PAVANNE LU ANSON..	86	+828	-.14	+16	+85	P	+89	+.01	63
BECKERS CAPTAIN KAYLE.....	75	+851	-.03	+31	+113	P	+116	-.01	51
NOLANDALE BEAUTICIAN PHARAOH..	39	+671	-.09	+16	+74				
V. F BEAUTICIAN LANDON.....	36	+1083	-.08	+33	+132				
BLESSING BEAUTICIAN HECTOR....	31	+1088	-.05	+37	+140				
BRIDGE VIEW COMBINATION.....	44	+1284	+.01	+53	+181				
HERMIT HAVEN S D J SUNSHINE...	73	+1207	-.05	+42	+156				
NORVIC CONTINUATION.....	46	+1357	+.03	+59	+196				
SEMS ELEGANT SULTAN.....	51	+849	+.05	+40	+128				
NAKOTA DELEGATE DESTINY.....	61	+1484	-.10	+47	+184				
ES JESTER LUCKY J.....	49	+146	-.05	0	+10				
BLESSING CAPTAIN HERO TWIN....	41	+308	-.09	+2	+25				
ES MOTTO J.....	40	+504	-.04	+15	+61				
GOLDEN DAWN ELEGANT MASTER....	91	+1755	-.05	+64	+233	P	+227	-.06	71
MEADOW VIEW STRETCHY SIGNAL...	49	+1238	-.13	+33	+143				
WILLOW WELLS DOUBLE D J.....	67	+1020	-.08	+31	+125				
BRIDGE VIEW JUBILATION.....	26	+1286	-.11	+38	+155				
JOHANN PROUD BENJAMIN.....	35	+815	-.08	+23	+96				
NORVIC TELSTAR.....	85	+2018	.00	+82	+282	P	+289	+.01	65
U W BEAU DAPPER DAN TWIN.....	59	+941	-.05	+31	+119				
KEN IR ELEGANT REWARD.....	68	+1253	+.06	+58	+187	P	+185	-.03	53
GOLDEN DAWN ELEGANT MARINER...	43	+1671	+.03	+71	+239				
ES JASON LEADER.....	32	+931	-.04	+33	+122				
R E S KING ROYAL.....	63	+1213	-.14	+31	+138				
JOHANN PROUD MATTHEW.....	76	+2470	+.02	+102	+348				
JOHANN EVILO ROCKET.....	44	+1550	-.08	+52	+198				
JOHANN JOHNNY D.....	42	+1450	-.01	+57	+199				
KA WA BALISON.....	43	+1483	+.06	+68	+220				
TOP ACRES MODERN GALAXY	30	+985	-.02	+37	+132				
CREEK COVE DAPPER MILESTONE...	26	+1088	-.08	+34	+134				

Milking Shorthorn

VOLGA-S BOLD VENTURE.....	82	+930	-.01	+33	+122				
U OF MINN MAJESTY MARLIN.....	79	+1398	+.01	+52	+187				
U OF MINN ADVENT D PILOT.....	61	+962	+.05	+41	+138				
U OF MINN DARA'S ADVENT.....	81	+544	+.12	+32	+93				
WILDWOOD D'S RED KING 2D.....	77	+1332	-.09	+39	+160				
U OF MINN CLD D-A-D COMBO.....	54	+1015	+.04	+41	+141				
VALLEY VIEW JEWEL PROMISE.....	43	+787	-.03	+26	+100				
RED CEDAR DIAMOND.....	60	+523	+.11	+30	+88				
INNISFAIL JEAN'S PROMISE.....	52	+852	+.01	+32	+115				
NADOLSKI'S BETTINA'S PROMISE..	42	+1287	+.10	+58	+190				
RED CEDAR DAN.....	63	+998	+.09	+46	+149				
KORNCREST PACESETTER.....	86	+2087	+.04	+81	+285				
VALLEY VIEW JEWEL PROMISE 3D..	43	+628	+.11	+34	+102				
CLASS REUNION.....	61	+1268	+.03	+50	+175				

Red and White

ROSTRAVER FARMS MISTER - RED..	68	+848	-.10	+16	+87	P	+73	.00	42
LARRY MOORE RED CHAMPION.....	49	+585	-.02	+19	+74				
HANOVER-HILL TRIPLE THREAT....	80	+213	+.13	+27	+61	P	+61	-.41	48

All-breed PD increases

BELTSVILLE, Md. — It's no wonder that U.S. herds produce more milk each year. According to a recent report from the Animal Improvement Programs Laboratory, active A.I. sires of all breeds showed an increase in PD for milk. Overall, this year's active sires averaged plus 1,191 for milk over last years plus 1,111.

Table 1 reports the average PDM, PD percent test, PD fat and PD dollars for each breed and type of service group. Tables 2 and 3 show the distribution of PDM and PD$ for active A.I. sires.

Each artificial insemination organization has had the opportunity to examine the current Modified Contemporary Comparison Sire Summary on its own bulls ad to decide which progeny-test bulls to code as "active" and which previously active sires to remove from "active" status. Consequently, all bulls in the current Active A.I.. Sire Summary should be readily available through established A.I. marketing systems.

The AIPL continues to emphasize the importance of increasing selection standards to keep pace with the genetic progress demonstrated by the trend toward higher PDs through the past several Sire Summary runs. Although upward adjustment of selection level is essential to maintain genetic progress, a simpler and more effective approach would be to use the best sires available in any breed, the report concludes.

TABLE 1.--Average PD values for bulls summarized in July 1982

Breed	All bulls[1] Number	PDM	PD%	PDF	PD$	Active AI bulls Number	PDM	PD%	PDF	PD$	Non-AI bulls Number	PDM	PD%	PDF	PD$
Ayrshire	277	+216	-0.01	+7	+27	13	+807	-0.08	+23	+96	233	+145	-0.01	+5	+19
Guernsey	683	+269	-.04	+9	+34	52	+876	-.10	+31	+114	539	+187	-.03	+6	+23
Holstein	12,615	+332	-.03	+8	+37	754	+1,221	-.06	+35	+145	9,522	+185	-.03	+3	+18
Jersey	1,165	+463	-.10	+14	+56	67	+1,307	-.21	+45	+169	924	+361	-.08	+11	+44
Brown Swiss	419	+466	-.03	+15	+58	52	+1,100	-.05	+38	+142	308	+238	-.02	+11	+43
Milking Shorthorn	176	+660	+.03	+27	+93	14	+1,044	+.04	+43	+147	151	+618	+.02	+25	+86
Red and White	53	-23	+.01	+1	+0	3	+549	+.01	+21	+74	40	-64	+.01	-1	-6
All breeds	15,389	+344	---	+9	+39	955	+1,191	---	+36	+145	11,718	+207	---	+4	+21

[1] Includes AI bulls not now active.

TABLE 2.--Distribution of PDM by breed for active AI sires in the July 1982 Modified Contemporary Comparison

Range of PDM	Number of sires: Ayrshire	Guernsey	Holstein	Jersey	Brown Swiss	Milking Shorthorn
+2,200 and above	---	---	14	1	2	---
+2,000 to +2,199	---	---	21	---	1	1
+1,800 to +1,999	---	---	50	5	---	---
+1,600 to +1,799	---	1	91	9	3	---
+1,400 to +1,599	---	3	102	9	7	---
+1,200 to +1,399	2	4	153	15	11	4
+1,000 to +1,199	1	11	119	18	5	1
+800 to +999	2	13	77	5	13	4
+600 to +799	5	11	45	2	3	2
+400 to +599	2	6	23	3	3	2
+200 to +399	1	1	28	---	2	---
0 to +199	---	1	7	---	1	---
-1 and below	---	1	24	---	1	---
Total	13	52	754	67	52	14

TABLE 3.--Distribution of PD$ by breed for active AI sires in the July 1982 Modified Contemporary Comparison

Range of PD$	Number of sires: Ayrshire	Guernsey	Holstein	Jersey	Brown Swiss	Milking Shorthorn
+220 and above	---	2	68	8	7	1
+200 to +219	---	1	62	7	1	---
+180 to +199	1	1	90	8	7	2
+160 to +179	1	5	111	18	2	2
+140 to +159	---	7	123	9	8	2
+120 to +139	1	9	109	8	11	2
+100 to +119	1	8	61	7	2	3
+80 to +99	6	10	41	1	5	2
+60 to +79	1	2	20	---	4	---
+40 to +59	2	4	25	1	1	---
+20 to +39	---	1	17	---	2	---
0 to +19	---	---	1	---	1	---
-1 and below	---	2	26	---	1	---
Total	13	52	754	67	52	14

(Turn to Page D27)

Sale Reports

The Parnell-Mt. Holstein dispersal sale was held Friday, July 23 for S. Minor Robinson, of Fort Loudon, Pa.

The sale was well attended and cattle were sold to buyers from Pennsylvania, Ohio, West Virginia and Virginia.

The top selling cow was sold for $3,000 and the second-highest animal brought $2,200. Seventy-four cows and bred heifers averaged $1,322 and 34 open heifers and calves averaged $539. One bulls old for $1,200.

Ralph W. Horst managed the sale. Horst and Art Kling were auctioneers; while Fred Naugle handled pedigrees.

A public sale of hardware, warehouse supplies and merchandise was held at Stichter Hardware, Reading, Thursday to Saturday, July 22-24.

Some prices included three rolltop desks, $1500 ea.; two high-back show cases, $501 ea.; Winchester advertising sign, $20; Winchester ammunition boxes, from $8 to $12 ea.; ice saw, $20; Wetstone cabinet, $95; Meat saw set, $35; chocolate molds, $10-$25 ea.

Auctioneers were LeRoy Horst and Henry Gehman.

A public sale of antiques and household items was held for Clayton and Kathryn Hershey, 355 Penryn Road, Manheim, on Saturday, July 24.

A total of 347 registered bidders were in attendance. Prices included: dentist's cabinet, $425; oak dining room table, $475; Gaudy Welsh tea pot, $475; two flow blue plates, $42.50 ea.; antique dolls, $60 & $150; quilts, $250, $300 & $455; oak China closet, $220.

Auctioneer was John D. Stauffer, R6 Manheim.

Public Sales Register

Closing Date - Monday, 5:00 P.M. of each week's publication

JULY

SAT JULY 31 11 A M Consignment Horse Sale at the Keister's Middleburg Auction Sales, Inc Rt 522, 3 miles East of Middleburg, 5 miles West of Selinsgrove, Pa Don & Walt Keister, Owners Ray Long & Dave Imes Auctioneers

SAT JULY 31 9 A.M Public Sale of Tractor, Mower, Butchering Tools, Blacksmith's Tools, Antiques and Household Goods Located at Corner of River Rd and Maple Spring Rd, R.D 1, Pequea, Lanc Co Pa Take Rt. 324 south of Lancaster to Martic Forge Hotel, turn left onto River Rd, go 1 mile to sale Mrs Frank B Smith Jr, Owner Howard Shaub and Roy C Probst, Auctioneers

SAT JULY 31 - 10 A M Cohocton, (Steuben Co) New York. Boos Farms Complete Disprsal of potato and grain farm machinery, for information contact Pirrung Auctioneers, Inc Box 365, Wayland, N Y

SAT. JULY 31 - 8 30 A M Public Sale of Antiques, Bank Stocks, Coins Certificates, Safe, Modern Household, Tools, and Etc. Located at 400 West King St in the borough of East Berlin, Adams Co., PA Sarah C Leas Estate. Clair R Slaybaugh, Auctioneer.

SAT JULY 31 - 9.30 A M Public Sale of Real Estate. Located along old Rt. 16 just west of Zullinger, PA in Washington Twp., Franklin Co. Wilmer K. Hubert, Herman, Thomas and Donald Barlup and Lulu Kahl, Owners Edgar J Stull, Auctioneer.

SAT. JULY 31 - 10 A M. Public Sale of Farm Machinery, Tools, Butchering Equipment, Household Goods, Antiques and Collectibles Estate of Mark G Schaeffer. Mark and Dave Deibler, Auctioneers

SAT. JULY 31 - 9.30 A.M Public Sale of Farm Equipment, Antiques, Books, Furniture, Appliances, Household and Dishes Located approx. 2 mi south of Boiling Springs, go toward Mt Holly Springs on Park Dr, Creek Rd., turn south on Petersburg Rd, then left on Tanger Rd to 2nd farm. William A. Sponaugle, Owner John B Niesley Auctioneer

SAT. JULY 31 - 10 A.M Public Sale of Real Estate, Household Goods, Antique, Collectibles, Tools and Equipment. Located on the premises 1 mi. east of Berrysburg along Rt. 25, Lykens Twp., Dauphin Co, PA, 40 mi. north of Harrisburg. Charles Lilley, Owner. Adams and Adams, Auctioneers.

Sugar import fees drop

WASHINGTON, D.C. — Import fees for both raw and refined sugar will be reduced by one cent per pound, to 2.4193 and 3.4193 cents, respectively, effective July 21, Secretary of Agriculture John R. Block announced last Tuesday.

Block said the change is required under the terms of presidential proclamation 4940 which provides for a flexible import fee system responsive to changes in domestic sugar prices.

In addition to regular adjustments at the beginning of each calendar quarter, changes are required whenever the ten-day average of the domestic spot price, quoted by the New York Coffee, Sugar and Cocoa Exchange, exceeds the market stabilization price by more than one cent. The market stabilization price, currently 19.88 cents, reflects the support program established by the Agriculture and Food Act of 1981.

"Domestic sugar prices have been recovering gradually during the last two months from the low levels of last winter and spring," Block said. "This is a direct and intended result of the measures taken by President Reagan in early May to make the support program work."

Since last fall, world sugar prices have been at distress levels because of a world surplus, Block said. Imports have been abnormally large, particularly since late 1981 when the support program was enacted.

To forestall massive government expenditures for the purchase of displaced domestic sugar, President Reagan in May imposed import quotas and strengthened the import fees system.

World prices have recently increased somewhat, but are still very weak, Block said.

During the base period for the present adjustment, July 1-15, the domestic spot price averaged 21.77 cents per pound, raw value. The next base period of ten consecutive market days begins on July 22. If domestic prices during that period, or any subsequent ten-day period average 20.89 cents or more, a further one-cent fee reduction will be triggered.

"TREAT YOURSELF TO SOME ROYALTY"

AT THE FIFTH ANNUAL PERRY PRINCESS PROMOTIONAL SALE

FRIDAY EVENING, AUGUST 6, 1982

7:30 P.M.

Location: Kling's Sale Barn, located 12 miles North of Carlisle on Pa. Rt. 74, 2½ miles N.E. of Landisburg, Perry Co., Pa.

50 HEAD OF PERRY COUNTY'S FINEST REGISTERED HOLSTEINS

A Few of The Features Include:

A 2 Yr. Old Astronaut due to Bell; Dam VG Elevation with 19,000-Maternal Sister Sold in '82 State Convention Sale (Don't Miss this One!)

A GP Milu due to Brookfield Falcon (A Candidate for high VG) - 22,000 as a 2 yr. old - G. Dam & Gr.G. Dam both over 1000 Fat.

A VG Bootmaker from an EX-93 Fury; Next dam VG-89; 2 Yr. Record 23,000 of 4.0% Milk - Bred to Tradition (A Breeding Proposition)

A GP Elevation fresh and Milking 108 lbs./day; Made 21,000 last year - Fancy Uddered!

A GP Milu Due to Sexation (1200 Index); 17,000 as a 2 Yr. old - Dam is a VG Double Triune Dtr.; Next Dam VG-88.

A 2 Yr. Old Glen Valley Star bred to an Elevation Son from a 87 Pt. Big Apple with good Records;

A GP Jerry springing with 2nd calf out of a VG Elevation with Good Records.

A Willow due to Astronaut from an 83 pt. Lift-Off with 23,000 M - Next dam 86 pt. Ivanhoe with 29,000.

A Creek Heifer due to Board Chairman; Dam GP Valley Pond Rex with 20,000 M.

A Fancy Willow with Good Udder - Bred to Pete; Dam 83 pt. Elevation with 18,000

A VG Fond Honor with 20,000 as a 3 Yr. old (Just fresh & Milking well)

Plus 40 More Good Cows & First Calf Heifers Sired By: Jet Stream, Triple Threat, Snowman, Jemini, Lift-Off, Elevation, Proud Performer, Fury Ivan, Trump, Job, Matt Tippy, Commander.

Service Sires Include: Board Chairman, Locust Glen Ivanhoe Elevation, Jemini, Citamatt and Many More.

Airada Farms are donating a June '81 Lift-Off Heifer out of a VG Proud Performer Dtr. with over 20,000M: Gr. Dam VG Tidy Gent with records to 18,760M. (Proceeds to Benefit Perry Co. Jr. Holstein Club)

DON'T MISS THIS SALE! 30 DAY TEST ON EVERY ANIMAL!

Sale Sponsored By

PERRY COUNTY HOLSTEIN CLUB

For Catalogs Contact:
Kling's Auction Service, Mgrs. & Auctioneers
Landisburg, Pa. 717-789-3883

Tom Dum III, Selector, Landisburg, Pa. — V Art Kling, Selector, Landisburg, Pa. — Fred Naugle, Pedigrees, Carlisle, Pa.

PUBLIC AUCTION

OF PERSONAL PROPERTY AND FARM MACHINERY

SATURDAY, AUGUST 14

10:00 A.M.

Location: Going east on Rt. 16, from Greenwood, Del. go approx. ½ mile, turn left on Rt. 36, go to first road on left (Rt. 612A), 1st farm on right. (Signs will be posted)

PERSONAL PROPERTY - 10:00 A.M.

Amana ref.-freezer (2 yrs. old), G.E. stove, Frigidaire chest freezer, Hotpoint elec. dryer, stereo console, elec. organ and bench, Singer sewing machines w/cabinets, 3 burner Kerosene cook stove, cherry bed, iron bed, 3 pcs. bedroom suite, metal bed, dressers, chest of drawers, night stand, metal wardrobe, metal bookcase, sofa bed, sofa, chairs, desk chair, loveseat recliner, desk, end tables, hassock, wooden storage cabinet, tables, stools, planters, lamps, lot of misc. household items, swing set, refrigerators, Snapper riding mower, garden tools, and many other items.

FARM MACHINERY - 12:00 Noon (Approx.)

1973 Chev. pickup, 1958 Int. truck w/grain body & hoist, JD 620 tractor, JD 2440 tractor w/145 loader, 6' bucket (hyd. foward & reverse) Hydro Mac 9C diesel skid loader (2 buckets), JD 494A corn planter w/fertilizer, insecticide and spray attach. JD 16 spout grain drill, JD 5x16 semi-mouunted plow, JD 5x16 pull-type plows, IH 10'6" disc, JD 3 ph. 4 row cult., JD front mounted 4 row cult., Brillion 12' plow packer, JD 3 ph. blade, JD 3 section harrow, NI manure spreader, JD model L manure spreader, JD 4 row rotary hoe, Ford forage blower (1 ur. old), JD subsoiler, Snowco 34'x6" P.T.O. grain auger, NH 351 grinder mixer w/corn sheller, Better Bilt 1100 gal. liquid manure wagon w/plow down, 2 - funnel body grain wagons, homemade lowboy trailer, 27 Kw Generac alternator on trailer, irrigation pipe trailer, Clark 200 gal. sprayer, 3 ph. weeder, PTO seeder, 3 ph. 4x7 pig box, feed cart, hog oiler, hog slat forms, 3 rotating hog feeders, 2-Surge milking units, Troy Bilt 6 hp. garden tractor, Lincoln welder, 1½ hp air compressor, Delta drill press, steel welding table, Homelite chain saw, pickup fuel tank, gas brooder stoves, wire winder, grain moisture tester, pedestal fan, 1 hp elec. motor, 3 hp. elec. motor, transfer pump, platform scales, elec. fencer, lot of electric fence posts, lot of misc. shop tools, hand tools and many other items.

Terms: Cash, travelers checks or approved check w/current letter of credit from your bank.

Owners
EVANGEL & MABEL SCHLABACH
Wilson's Auction Sales, Inc.
Dave Wilson
Auctioneer and Sales Manager
422-3454 or 856-2110
Lunch Served

GAP AUCTION

FRIDAY EVE., AUG. 6

5:30 P.M.

Located off Route 41 - Lancaster Avenue Opposite Turkey Hill Minit Market - Cross RR Bridge

ANTIQUES AND HOUSEHOLD GOODS SOLD AT EVERY AUCTION

Selling antiques & household goods for Charles Lewis of Georgetown.

CONSIGNMENTS ON MONDAYS FROM 8:00 A.M. to 7:00 P.M.

Call us for pick-up service

IRA STOLTZFUS & SON, Auctioneers

442-4936 or 442-8254

CONDUCTORS ALL TYPES PUBLIC SALES

DAIRY HERD & MACHINERY DISPERSAL

FRIDAY, AUGUST 13, 1982

10:00 A.M.

Located 3 miles South of Dillsburg, 4 miles North of Wellsville, York Co. - turn off Route 74 on Kralltown Road - Go 3 miles.

75 HEAD HOLSTEINS

Herd Consists of: 42 Milking Animals, 7 Bred Heifers, Balance Open Heifers and Calves. 1 Service Age Registered Bull. (23 Head Registered) All Calfhood Vaccinated except 5 Head.

Sires Represented: Harrisburg Gay; Apollo Rocket, Molly Chief; Ivanhoe Star; Proud Performer; Marlu Titan; Super Blend; Boss Citation M; Triune Complete; Wis Ideal; Cavalier.

Owner Supplied Milk Weights and Records: These cows are average 55 lbs./cow in the Milk Tank-Tested 3.7 Average last year.

A Good Type Young Herd with 20 Head to freshen June, July and August! (Balance in Different Stages of Lactation - 10 Bred for Fall Milk)

Certified & Accredited • Pregnancy Checked • Catalogs

DAIRY EQUIPMENT & SILOS

DeLaval Pipe Line and 4 Units for 40 Cows (late model); Mueller 500 Gal. Bulk Tank & Auto. Washer; S.S. Wash Tanks & Table; 5 T. Bulk Feed Bin; Patz Gutter Cleaner, Chain & Chute (standard Drive Unit); Oil-Fired Hot Water Heater & Hot Water Circulator Heater; 14 Ft. Concrete Cattle Guard, Ritchie Cattle Waterer; 3 Barn Fans, Barn Fogger, Electric Fly Killers, 3 Cow Mats, Feed Carts; 14x40 Lancaster Silo with Cement Chute; 12x40 Unidillo - 2 Van Dale Unloaders, 2 Silage Distributors.

FARM MACHINERY

N.H. 770 Harvester 2-row Corn Head - wide (like new); Koals 56 inch Blower, J.D. 214 Forage Wagon (excellent condition); Papec 14 Forage Wagon (excellent condition); I.H. #5 Flail Chopper (good shape); N.I. #13 Spreader (2 years old).

NOT RESPONSIBLE FOR ACCIDENTS - I.D. REQUIRED FOR BIDDER'S NUMBER - LUNCH STAND BY RED MOUNT CHURCH.

CARL & CREATY HARBOLD
Owners
R.D. 1 Wellsville, PA
(717) 432-3158

Sale by: KLING'S AUCTION SERVICE
Landisburg, PA 789-3883
Fred Naugle, Pedigrees

Public Sales Register

Closing Date - Monday, 5:00 P.M of each week's publication

SAT JULY 31 - Public Sale of Vehicles Located in Wrightstown, PA Vilsmeier Auction Co , Inc

SAT JULY 31 - 9 30 A.M. Public Sale of Quilts, Household, Misc Items, Tools and Machinery. Located 4 mi east of Mifflintown or 3 mi west of Thompsontown near village of Centre along old Rt 22-322 Annual Amish Parochial School Benefit Sale Long Bros , Auctioneers

SAT JULY 31 - 7 30 P M Public Sale of Cattle Located at the State Fairgrounds, Harrington DE Delaware Holstein Association Remsburg Sale Service, Auctioneers

SAT JULY 31 - 10 A M Public Sale of Farm Equipment, Trucks, Irrigation Equipment, Shop Tools and Misc Located along Rt 415, 1 mi souht of Cohocton or 5 mi north of Avoca Mr Jacob W Boos, Owner Pirrung Auctioneers

SAT - JULY 31 - Public Sale of Line Equipment and Trucks Located in Wrightstown PA Vilsmeier Auction Co , Inc

AUGUST

SUN AUG 1 2 P M Public Sale of Real Estate Located 6 mi from Honesdale, PA and 4 mi from Beach Lake, Pa Mr and Mrs Al Geraldi, Owners Jack Bunnell, Auctioneer

WED AUG 4 - 9 A M Consignment Sale by David H Good located ½ mile North of Route 23 on North Maple Ave in Leola Lancaster Co , PA Watch for sale signs F Snyder, R Martin, C Wolgemuth J Fry and L Horst, Auctioneer

WED AUG. 4 - 10 A M Public Sale of Tractors, Trucks, Machinery and Grain Bins Located 3 mi south of Frederick, MD off I-270 on Rt.85, south approx 3 mi , turn right on Lime Kiln Rd , ½ mi to New Design Rd , right to farm C Larry Clemson Robert C Mullendore, Auctioneer

THURS AUG. 5 7 30 P M Public Sale of Cattle Located west of Lancaster on Dairy Rd , take Rt 283 west of Lancaster, exit beyond ABC Stud Barns at Flory Mill Rd , turn left after exiting, go to mill then sharp right under railroad bridge Barn within sight of Rt 283 Melvin Kolb, Inc Robert Mullendore, Auctioneer

SAT AUG 7 - 9 A M Public Sale of Real Estate, Household Goods, Antiques and Shop Tools Located along Rt 897, approx 1 mi south of Terre Hill Frances Hurst, Owner Lamar Z Sensenig and Paul W Horst, Auctioneers

SAT AUG 7 10.30 A M Public Sale of Real Estate and Farm Equipment Located on County Road 405, Raughley Hill Rd , approx 2 mi north of Harrington, DE Mr and Mrs Fred Martin, Owner Harry Barrett and Anthony B Carroll, Auctioneers

SAT AUG 7 11 A M Public Sale of Antiques, Household Goods Glassware and Misc Items Located 1 mi south of Bareville, from Rt 23 take S Groffdale Rd south to Eby Rd , turn right on Eby Rd , sale at 1st farm on left, former Stoltzfoos Ice Cream Farm Benjamin and Emma Stoltzfus, Owner John P Lapp and Alvin L Stoltzfus, Auctioneers

SAT AUG 7 - 9 30 A M Public Sale of Real Estate Located in front of the Franklin Co Court House in Chambersburg PA Barbara C Smith Estate J Robert Meyers, Auctioneers

SAT AUG 7 10 A M Public Sale of Coins Located at Lykens Valley "Shop & Play" Hall, Rt 209, Lykens, PA Carrie V Dockey Estate Lee D Dockey, Auctioneer

SAT AUG 7 - 9 A M Public Sale of Shop Tools, Truck, Car, Camper, Jeep Welder Unit and Real Estate Located on Rt 322, 3 mi west of Potters Mills, situated in Potter Twp , Centre Co Paul Geary Estate P F "Bud" Wasson, Auctioneer

SAT AUG 7 - Public Sale of Line Equipment and Trucks Located in Edison, NJ Vilsmeier Auction Co , Inc

SAT AUG 7 10 A M Public Sale of Farmette, Machinery, Household Items and Antiques Located at dead end of Old Rt 22, 2 mi west of Mifflintown, Juniata Co Estate of Glenn W Eishenhuth Long Bros Auctioneers

SAT AUG 7 9 30 A M Public Sale of Farm Equipment, Antiques, Household Goods and Misc Located turn off Rt 220 West of Williamsport on Pine Run Rd , follow auction signs 4 mile past New Lycoming Christian Church on Twp Rt 375 on Martin Rd Theodore Dauler Estate Bernard D Rell Auctioneer

SAT AUG 7 - 10 A M Public Sale of Glass, Office Furniture, Motorcycle and Automobiles Located at 109 Millers Lane, Harrisburg, PA, just off N Front St , near I-81 in Susquehanna Twp , between Rockville Bridge and Linglestown Rd , directly behind Pizza Hut and McDonalds Das Glass Haus Kerry Pae Auctioneers

SAT AUG 7 9 30 A M Public Sale of Farm Machinery, Antiques and Household Goods and Classic Auto Located 1¼ mi east of Boiling Springs, PA on Rt 174 turn off onto Lutztown Rd , from Mechanicsburg follow Rt 174 west Home Thornton, Owner Roy Gottshall, Auctioneer

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PUBLIC SALE

LUMBER, PANELING, TOOLS, GROCERIES BOLTS, INSULATION AT GOODS AUCTION

111 North Maple Ave., Leola

SATURDAY, AUGUST 7, 1982

At 9:30 a.m.

Including tractor trailer load of urethane insulation, 1200P paneling, 1500P 2x6 up to 22 ft. long. Lot 2x4 & 2x3, color lock siding, roof shingles, dry wall, windows, doors, trim, nails, latches. Over a thousand pieces A.S.C. plywood, Tex III, Aspanite, stable X, flakeboard, roof trusses, used lumber, roofing, stormdoors.

NEW TOOLS, HARDWARE

V Belts, 2 ton carriage bolts, alum. shovels, 500 V pulleys.

TRUCKLOAD GROCERIES

100 cases peaches & pineapples.

Frank & Paul Snyder
Clyde Wolgemuth, Aucts.

---

2 DAY PUBLIC AUCTION

VALUABLE ANTIQUES & HOUSEHOLD GOODS

SAT. AUG. 14, & SAT. AUG. 21

9:30 A.M. Sharp!

Located 24 miles South of Lancaster. From Lanc. take Rt. 272 to Wakefield, at Wakefield take Rt. 222 South 2 miles. Or from Maryland line take Rt. 222 North 2 miles.

AUG. 14, SALE

7 ft. arrow back settee; buffet; pine & walnut drop leaf tables; Victorian horse hair sofa; 2 3 pc. living rm. suites; coffee table; 2 gate leg tables; washstands; Wicker platform rocker; cheese cutter rocker; plank bottom key hole rocker; plank chairs; marble top dresser; marble top stand; captain desk; spinet desk; iron & brass bed; picture frames, shadow boxes; astral lamp; piano lamp; marble base lamps; coal oil & floor lamps; steeple clock; shelf clock; baskets; quilts; 2 old hanging lights w/brass; collection of Flintdiamond point cut glass; Nippon; German; Limoges; Haviland; approx. 50 pc. Austria set; 46 pc. blue Japan set; thumb print compote; Carlson & Canova china; England plates; coin silver; Wm Rogers silverware; blue crocks; iron frog; sm. iron dog; wicker porch rocker & chairs; platform porch swing; copper wash machine; 55 gal. drums w/spickets and hundreds of items too numerous to mention.

AUG. 21, SALE

Dutch cupboard; 3 pc. parlor suite; C.J. Heppe & Son Piano bench; 2 organ stools; marble top washstand; marble top dresser; dressers; Empire chest of drawers; 2 chest of drawers; 2 blanket chests; 2 rope beds; 3 pc. blonde bedroom suite; 3 pc. maple bedroom suite; 6 curly maple cane bottom chairs & 1 rocker; old rockers; childs rocker; 3 pc. wicker set; 2 maple cane bottom chairs & rocker; Windsor, Victorian, Reed & half spindel plank bottom chairs; History book of Lanc. Co. 1883; old books; small washstands; spool leg table; library table; school master desk; crockware; beaded pocket book; old hats; 8 dolls; linens; rayo lamp; old silver lamps; leather & old post cards; sleigh bells; 8 pc. pitcher & bowl set; pitcher & bowl set; Heisey glasses & sherberts; ironstone; Majolica; Amoy blue; Kim Shan flowing blue; 9 pc. berry set; 15 pc. Silica tea set; Noritake set approx. 100 pcs. pewter tea set; 6 pc. pewter set; milk glass dresser set; picture frames; jars; approx. 40 pc. Taylor Dogwood set and many more items too numerous to mention. Not responsible for accidents day of sale.

NO OUT OF STATE CHECKS

AUCTS. NOTE: Everything is in excellent condition, Antiques galore. One of the better sales in the Southern end. Sale under tent, bring your chair. Both sales start at 9:30 Sharp. Refreshments by Robert Fulton Fire Co.

Sale by
VICTORIA CLENDENIN SCOTT ESTATE
Blaine C. Cummings, Executor
Aucts. Lloyd H. Kreider, Randall V. Kline & Gary L. Shirk
Atty. Charles F. Herr

KREIDER & KLINE AUCTIONEERS
Phone 717-786-3394
or 717-733-1006

PUBLIC SALE

OF FARM EQUIPMENT & SHOP EQUIPMENT

WEDNESDAY, AUGUST 18

At 10:30 A.M.

Located 2 miles east of Hinkletown, along Rt. 322.

FARM EQUIPMENT

IH 574 diesel tractor, 1,000 hrs. w/#2250 loader (like new); IH 606 diesel tractor; IH 550 manure spreader, like new; IH 455 corn planter; 5 tooth chisel plow; Harrow; Cultipacker; Oliver transport disc; Sickle bar mower; New Idea #323 single row corn picker; Lamco forage wagon; 717 NH 2 row narrow head harvester (Wisconsin 36 HP engine).

SHOP EQUIPMENT

Wood sander; Drill press; 180 Amp welder; Torch; Steel cut-off saw; Steel band saw, (like new); Chain hoist; 90,000 BTU Ready heater; 250 cc Yamaha motorcycle; Model 302 Echo weed-eater; Echo 315 chain saw; Wood stove; Pool table; Convection oven; Cedar closet; Other items not mentioned.

NOTE: Very few small items, Farm Equipment to be sold at 11:30 A.M.

Terms By:
GLENN E. & JOYCE WEAVER
Elton & Alvin Horning, Auctioneers
Horning Farm Agency, Inc.
Main St., Morgantown, Pa. 19543
LUNCH AVAILABLE

PUBLIC AUCTION

Located on North Academy Street in Mansfield. Watch for auction arrows off Main St. in Mansfield.

FRI. EVE. AUGUST 6

At 6:00 P.M. Sharp

7 switch boxes; 6 elec. motors; transformers; boxes of elec. parts; spotlight; anvils; police siren and hardware; 2 small kerosene heaters; 2 gal. cooler; polaroid camera (used once); trailer brake switch; plastic sign letters; 2 boxes of nuts & bolts; flourescent light fixtures; milk cans; outdoor telephone bells; 27 drawer storage cabinet; 2-4' flourescent lights; carpenter box & aprons; log splines; radiator cooling coils; 3 boxes of 10" spikes & screw & nails; 2 tricycles; fruit basket & crates; Franklin stove; old wagon wheels; platform scales; cabinet on wheels; Singer sewing machine; cast iron water trough heater; maple stand; oak table; book case; 5 drawer oak dresser; 2 sets climbing spikes; impact wrench; wine barrels; 3 sinks; copper tubing; 3 boxes pipe fittings; 2 - 8 track stereo players & tapes; record player; yellow wall telephone; T.V.; chairs; hub caps; space heater; hay forks; hay trolley pulleys & rope; steel work table; gas chicken brooder; Kubuta DT-245 300 hrs.; Ford 509 scraper bucket; SX-60 side winder rotary mower; JD 7' scraper blade; 2 axle trailer; Avon bottle collection; 3 cast iron grates; and many more small items not listed.

ANTIQUES

4 fire extinguishers; dito machine; set of car head lights; mantle clock; McCormick sickel bar sharpener; freight wagon; key cabinet; 3 glass light globes; 33 bannister spindel post; box of glass jars.

REAL ESTATE

32 Hundred sq. ft. warehouse on 21 thousand sq. ft. lot commercially zoned for sale at private treaty. Owners available to discuss this property by appointment or at sale time. 662-3302.

Owners
PAUL & MAUREEN BAILEY
Sale Manager - Gordon Wood, Mansfield, Pa.
Phone 717-549-4901

For the most in advertising coverage & preparing your sale. Call Wood's Auction Service.

PUBLIC AUCTION

OF OUTSTANDING REAL ESTATE

7-TRACTS 187 ACRES

(Formerly Stanley C. Keller Farm)

THUR. EVE. AUG. 26, 1982

6:00 P.M.

Property situated 2 mi. North of Annville, Pa. Lebanon Co. From Annville follow Rt. 934 North to Hill Church Rd. Turn right and proceed East to 1st intersect (Thompson Ave.) Turn right and go to 1st farm on right. Watch for auction and tract number signs on location.

Special Menton: The following described tracts consists of superior road frontages along Rte. 934, Hill Church Rd., Thompson Ave. and Kauffman Rd.

TRACT 1 - Contains a (10) lot approved subdivision totaling approx. 28.4 ac. along west side of Rte. 934 with 1172 ft. road frontage & fronting Kauffman Rd.

TRACT 2 - (45 acres) with 2472 ft. frontage along east side of Rte. 934 and also 526 ft. fronting Hill Church Rd.

TRACT 3 - (66.87 acres) with farmhouse, barn and other buildings with 853 ft. fronting Hill Church Rd. and 528 ft. frontage along Thompson Ave.

TRACT 4 - (4.5 acres) along Thompson Ave. ideal for building.

TRACT 5 - (22.5 acres) mostly woodland along Thompson Ave. bordered by Annville Water Co.

TRACT 6 - (18.5 acres) with 1040 ft. fronting Thompson Ave.

TRACT 7 - (6.2 acres) all woodland tract with 338 ft. fronting Thompson Ave.

Inspection and showing of Real Estate: (Open Houses) Sat. July 31 and Sun. Aug. 1 from 1:00 P.M. to 3:00 P.M. both days, otherwise by appointment with auctioneers by calling 717-865-3766 or 717-865-4145. For (Open Houses) meet auctioneers at farm house for descriptive aeriel maps and other information concerning this real estate.

Please Note: The following conditions of auction options.

Option #1 - (7) Separate tracts to be offered as individual parcels.

Option #2 - Consisting of all (7) tracts totaling 187 acres and to be offered as one parcel or in such other tract combinations as seller shall determine.

Terms: 10% down day of sale and balance in 30 days or upon settlement prior thereto.

Auctioneers Note: This is one of the largest parcels of real estate to be offered at auction in Leb. Co. An ideal location minutes from Annville, superior road frontages along all tracts, excellent farm & woodland makes this real estate very desireable for farmer, investor or developer.

Don't Miss This One!

Conditions By:
JONESTOWN BANK & TRUST CO.
Jonestown, Pa.
Auctioneers:
Dale Rudy, Roger Myers
Fredericksburg, Pa.
Ph. 717-865-3766 or 865-4145
Attorney: Weiss, Weiss, Weiss

TOP PRICES

FOR COWS & HOGS!

If you want premium prices for your cows and hogs, be sure they get in the

EARLYBIRD PENS

The idea is new!!

Cows and Hogs in the "Earlybird" pens will not be sold first, but will be sold toward the middle of the sale after the market is established Come in and see the difference!

★ **IMPORTANT** ★
"EARLYBIRD PENS" close at 2 PM

all cows and hogs for the 'Earlybird' pens must be at Carlisle no later than 2 PM Tuesday at

CARLISLE LIVESTOCK MARKET, INC.

Public Sales Register

Closing Date - Monday, 5:00 P.M. of each week's publication

SAT AUG 7 - 9:30 A M Public Sale of Lumber, Paneling, Tools, Groceries, Bolts and Insulation. Located at Goods Auction Frank and Paul Snyder and Clyde Wolgemuth, Auctioneers

TUES AUG 10 - 5 30 P M Farmersville Auction In Farmersville, 3 mi. East of Brownstown, Lancaster County, Pa John J Rutt, Auctioneer

WED AUG. 11 - 9 30 A M. Public Sale of Farm Equipment and Tools Located 10 mi east of Lancaster, between Leola and New Holland, turn off Rt. 23 on South Groffdale Rd , turn left on Musser School Rd., Lancaster Co , PA Elias S Beiler, Owner Robert E and Jeffrey R Martin, Auctioneers

WED AUG 11 - 7 30 P.M Public Sale of Cattle Located at the Fairgrounds, Frederick, MD. Frederick County 60th Anniversary Sale Remsburg Sale Service

WED AUG. 11 - 11 A M Meridale Herd Reduction Sale located at the farm off Rt. 28, 6½ mi west of Delhi, 13 mi east of Oneonta, Delaware Co Nathan & Maurice Werblud, owners G J.S Coyne, Inc Auctioneers and Sale Managers

THURS. AUG 12 11 A M Public Sale of Cattle Located west of York at the junction of Rt 30 and Mt Zion Rd., across Rt 30 from the Caterpillar Plant. Avalong Farms Complete Dispersal Pa Guernsey Breeders' Assn . Remsburg Sales Service and Merryman Company

THURS. & FRI AUG. 12 & 13 - 9 A M. each day. Public Sale of Farm Equipment Located at our place of business 6 mi south of Chambersburg, PA one mi east of Marion, just east off Rt. 81 along Rt. 914 Ralph Horst, manager

THURS AUG. 12 - 6 P M Public Sale of Equipment, Tools, Building Supplies and Office Furniture. Located at 656 W Main St , Palmyra, PA. Carlson Homes, Inc. Kerry Pae, Auctioneers.

FRI AUG. 13 - Public Sale of Cattle Located in Wellsville, York Co. Carl and Creaty Harbold, Owners Kling's Auction Service, Managers.

FRI. AUG. 13 - 5.30 P.M. Gap Auction Antiques and Household Goods sold at every auction. Located off Rt 41, Lancaster Turkey Hill Minit Market, cross RR bridge Ira Stoltzfus & Son Auctioneers

PUBLIC SALE

Located 3 miles south of Frederick, Md., off I-270 on Route 85, south approx. 3 miles, turn right on Lime Kiln Road, ½ mile to New Design Road, right to farm

WEDNESDAY, AUGUST 4

At 10:00 A.M.

TRACTORS, TRUCKS, MACHINERY, GRAIN BINS

White 2-135 diesel tractor, 137 PTO HP, 400 hrs., 540/1000 PTO, 20.8x38 tires, cab w/air, AM-FM stereo, digital tach, perfect.

New Holland 1890 Crop Cruiser, Cat 3208 V8, 650 cutter hrs., cab w/air, elec. spout cont., w/890 A base unit, 890W pickup unit and 890 N3 corn head 3/30.

John Deere 3020 diesel tractor, 2000 hrs., power shift, WF, w/#48 loader; John Deere 2510 diesel tractor, power shift, N.F.; Miller Series II 10 ft. offset disc; Hesston 1090 9 ft. haybine, 2 yrs.; Hesston 1010 9 ft. haybine, hydro swing; New Holland 770 field chopper, pull type 717 R2 corn head, 2/38, elec. spout cont.; Int. 650 field chopper, pull type w/2/38 corn head, elec. spout cant.; Int. 55 field chopper, pull type w/pickup unit; Int. 7½ ft. direct cut head for either Int. chopper; J.D. 2/38 corn head for J.D. 38 or 3800; Willmar fertilizer spreader, 4 ton, twin spinner, tandem axle; Willmar fertilizer spreader box and frame; Lely fertilizer spreader, 4 ton, tandem axle; Stoltzfus lime and fertilizer spreader box, 12 ft. fully enclosed w/30 ft. hyd. booms for truck mounting; two 3300 bu. grain bins w/drying floors, sweep unloading augers; New Idea 8 in. x 60 ft. and 8 in. x 53 ft. P.T.O. transport augers; New Idea pull type picker/sheller, 2/38 head; Leon hydro blade, 3 pt. 10 ft., 2 yrs.; J.D. 201 machinery mover; Bush Hog rotary mower, 3 pt. 7 ft., 2 yrs.; Int. 1150 grinder/mixer, 1000 R.P.M.; Int. 1150 grinder/mixer, 540 R.P.M.: Hawk Bilt 187 tank spreader, 2 yrs.; J.D. 5 bottom plow; Case grain trailer, 3 ton w/P.T.O. auger; Lenz 3 pt. 10 ft. chisel plow; Case 10 ft. transport disc; New Idea 600 self unloading w/N.H. Mdl. 19 running gear; New Idea bale throw wagon; Cunningham hay conditioner; J.D. 6 row cultivator for narrow front mounting; Hanson 300 gal. trailer sprayer w/28 ft. booms; 3 pt. 110 gal. sprayer tank, no booms; cut off saw, 4 wheel frame w/Wisc. V4 engine; Vacaway seed cleaner w/screens; 20 ft. bale conveyor w/motor; J.D. 55 combine for parts.

1974 GMC 3500 truck, V8, 4 speed w/utility body.

1972 Int. 1310 truck, V8, 4 speed w/12 ft. stake body.

1971 Int. 2110 truck cab and chasis, 5 speed w/2 speed rear.

1965 Int. 1700 truck, 5 speed, 2 speed rear w/grain body.

1963 Int. 1800 truck cab and chassis, 5 speed w/2 speed rear.

50 gal. portable fuel tank; 100 and 150 gal. fuel storage tanks w/hand pumps; 300 gal. w/hand pump and 1000 gal. w/elec. pump fuel storage tanks, both skid mounted; 275 gal. water tank; 8000, 10000, 12000 gal. fertilizer storage tanks; WMC power washer; Dickey-John grain moisture tester; Pacer 100 G.P.M. pump w/quick coup and hose, 1 yr.; Sears 1 HP air compressor; Sears 12 volt battery charger; 6 volt battery charger; 6 volt timing light, Remington elec. chain saw.

Massey Ferguson 400 Snowmobile • Massey Ferguson 500 Snowmobile Trailer for 2 Snowmobiles

Cap for pickup; tool box for pickup; 8 x 10, 10x14, 12x18 tarps; Weller soldering gun outfit; Wright ¾ drive 23 pc. socket set; S-K ½ drive socket set; Craftsman 59 pc. tap and die set; Craftsman ½ drive torque wrench; jack stands, load binders; grindstones, corn shellers; 14 ft. work bench; 30 ft. wood ext. ladder; 3 gal. hand sprayer; 275 gal.; Bar-B-Q grill; 8 in. x 10 ft. auger; 8 and 12 ft. trough sections w/augers; 3 HP motor; Terra Gator cab; roll heavy blk. plastic; hog scalder; 4 hole upright hog feeder; 500 gal. skid mounted feed storage tank; metal feed and water troughs; ast. gates; treated fence posts; guards; sections and knife for N.H. 469 haybine; Cornell barn cleaner chain; Bilco metal basement door; Goulds ¾ HP submersible pump w/200 ft. pipe; hot water heating system, Crane 252,000 BTU. oil fired w/275 gal. tank.

40 ft. x 70 ft. bank barn • 50 ft. x 120 ft. pole building

Rough cut seasoned walnut and cherry lumber. Insecticide, herbicide and fertilizer for lawn, garden and orchard in small containers; Yashica Electro 35mm camera.

SALE ORDER: Tools and small items off wagon; tractors and equipment, trucks, insecticides, etc.

TERMS: Cash - Not Responsible for Accidents.

C. LARRY CLEMSON
Telephone: (301) 473-5721

Auctioneer: Robert C. Mullendore
Boonsboro, MD
Telephone. (301) 582-0546
Clerk: C.L. Metz

—LUNCH RIGHTS BY BALLENGER 4H CLUB

LEE D. DOCKEY AUCTIONEER
ESTATE LIQUIDATOR APPRAISER
Box 164 Pillow Pa 17080
Phone 758 6004

AUCTION OF COINS

SATURDAY, AUGUST 7, 1982

10:00 A.M.

Located at Lykens Valley "Shop & Play" Hall, Route 209, Lykens, Pennsylvania.

WILL BE SELLING THE FOLLOWING COIN COLLECTION OF THE LATE RAY DOCKEY: 121 Silver Dollars, such as 1928, 1893-S, 1885-CC, Etc.; Half Dollars; Quarters; Dimes; Nickels; Pennies; Mint Sets; Proof Sets; Paper Money; Foreign Coins; Etc.

For complete listing of coins, send name, address and stamp to auctioneer.

Terms: Cash. Personal checks accepted only from persons having an established account with auctioneer.

CARRIE V. DOCKEY ESTATE
Dockey, Deppen & Dockey, Auctioneers
Lee D. Dockey
Auctioneer--Estate Liquidator-Appraiser
Box 164, Pillow, Pa. 17080
Phone: 717-758-6004

CUMBERLAND COUNTY

PUBLIC SALE

SATURDAY, AUGUST 7

Time: 9:30 A.M.

Located 1¼ mile east of Boiling Springs, PA. on Route #174 turn off onto "Lutztown Road" - From Mechanicsburg follow Route #174 West.

FARM MACHINERY:

2 John Deere Mdl. B tractors - 1 w/elect. start, good rubber on both and good running condition, JD cultivators, JD 7 ft. disc, JD 12 in. trail type bottom plows on rubber, Oliver 12 in. trail bottom type plows on rubber. JD 2 row shoe type corn planter, JD No. 5 mounted type hay mower, JD rubber tire manure spreader, 8 ft. cultipacker, 2 section spring harrow, 2 section spike harrow, trail type dbl. disc plow, Brillion stalk cutter w/power, take off, Kingwise 24 ft. elevator on rubber, Kingwise drag elevator, fuel tank w/pump on skids, flat bed wagon, other flat wagon, small air compressor, rubber tire wheel barrow, single & dbl. trees, seed cleaner, metal poultry nests, poultry feeders & equipment, chicken crates, tractor mounted grass seeder, hay fork, wire egg baskets, bench vise, old vise, misc. wrenches & hand tools, garden tools, chains, rotary power mowers, bail hooks, watering cups, used lumber, grinder mandrel, other misc. items.

ANTIQUES & HOUSEHOLD GOODS:

Unusual chestnut wood blanket chest, oak wash stand w/towel bar, nice 3 pc. oak bedroom suite, rope bed, small oak table, pine wood box, pine blanket chest w/till & dovetail, unusual old desk, dresser w/mirror, half spindel plank chairs, china closet w/QA feet, old upholstered chairs, 2 cane rockers, treadle sewing machine, early frame wall mirror w/gold liner, large flesh fork, enterprise meat grinder, meat benches, crocks, snout hooks, Fairbanks balance scale, pr. weight scales, iron griddle & skillets, old saber, baskets, trunk, cream pails, hand wash wringer, tub bench, oak chair, part. set of Johnson Bros. dishes, Fiesta ware pitcher, Noritake sugar & cream, Roseville vase, meat platers, Noritake Pierrepont pieces, iron butcher kettle, grain cradle, wooden rake, wooden wheelbarrow, tin comb case, woven rocker, other misc. items not listed. **HOUSEHOLD** — Marquette chest type deep freeze ok, Gibson elect. refrigerator OK, elect. stove, **2 OLD KITCHEN COOK STOVES**, wringer washer, 3 pc. bedroom suite, 2 metal wardrobes, small coalwood heatrola, 5 pc. breakfast set, kneehole desk, dbl. metal bed, lard can, roaster, pots & pans, misc. dishes, many other articles not listed.

★ CLASSIC AUTO at 1 P.M. ★

1957 Chevy 2 door sedan, 210 series, 80,000 original miles, standard shift, good condition.

TERMS OF SALE: Cash or Travelers Checks:

LUNCH STAND

HOMER THORNTON
By: POA,-William Martson, Attorney
Roy Gottshall, Auctioneer
258-6222
Otto & Trimmer, Clerks

50 REGISTERED HOLSTEINS Selling In The FREDERICK COUNTY 60th ANNIVERSARY SALE

At the Fairgrounds
Frederick, Md.

WEDNESDAY EVE., AUGUST 11

7:30 P.M.

43 COWS AND BRED HEIFERS
5 HEIFER CALVES
2 SERVICE AGE BULLS
AN EXCEPTIONAL OFFERING!

THE COWS include a number of VG and GP young cows with desirable records.

Nearly all are fresh or close and ready to produce lots of base milk.

THE BRED HEIFERS - A very special group of bred heifers with sound pedigrees and much promise. Many due soon after the sale, others due later.

THE HEIFER CALVES - Selected for type and pedigree. The real foundation kind - you'll like them.

THE BULLS - Both ready for heavy service, both from EX dams with sensational production pedigrees.

One of the Nation's Oldest Consignment Sales Series!
A Very Special Offering for the 60th Anniversary Sale!

Come early for Dutch Treat Chicken Bar-B-Q Starting at 5:30 P.M.

Sale Managed By
REMSBURG SALE SERVICE
P.O. Box 177
Jefferson, Maryland 21755
Ph. 301-473-8214

PUBLIC BANKRUPTCY AUCTION

SATURDAY, AUGUST 7, 1982

At 10:00 A.M.

109 Millers Lane, Harrisburg, Pa.

Millers Lane is located just off North Front Street, Near I-81 in Susquehanna Township, between Rockville Bridge and Linglestown Road, directly behind Pizza Hut & McDonalds.

ITEMS REMOVED FROM DAS GLASS HAUS, EPHRATA, PA.

Over 10,000 Pieces of Glassware & Crystal: Libby Glasses, Beverage Sets, Goblets, Bowls, Wine Sets, Compotes, Salad Sets, Cake Stands, Kerosene Lamps, Brandy Snifters, Tankards, Relishes, Canister Sets, Garland Bowls, Hens-on-Nest, Ash Trays, Kettles, Pitchers, Candle Rings, Mugs, Jugs, Liquor Glasses, Chimneys, Floating Candles, Display Rings, Mugs, Jugs, Liquor Glasses, Chimneys, Floating Candles, Display Rack, Champagne Glasses, jewelry Boxes, Goebel Items, Jewelry Items, Candles, Plates; Salt & Peppers, Wooden Items, Thousands of Glassware and Gift Shop Items All Brand New! Come do some early Christmas Shopping!!

OFFICE FURNITURE AT 12:30 P.M.

3 Metal Office Desks, 2 Wooden Desks, 10 Office Chairs, 3 Four Drawer File Cabinets, Typing Tables, Adding Machine, 2 Stools, Service Desk, Cash Register, Other Items.

MOTORCYCLE & AUTOMOBILES AT 1:00 P.M.

1980 Kawaski 1000 LTD Motorcycle, 1980 Chevy Citation, 1978 Chevy Caprice, 1977 Pontiac Ventura, 1974 Audi Fox.

NOTE: Inspection day of auction only.

AUCTION FOR DAS GLASS HAUS
Commonwealth National Bank
Secured Party and
Murray Pontiac-Buick
Leon Haller, Trustee

KERRY PAE AUCTIONEERS
327 N. Front Street
Harrisburg, PA 17101
(717) 236-3752

Public Sales Register

Closing Date - Monday, 5:00 P.M. of each week's publication

FRI AUG. 13 - Public Sale of Construction Equipment. Located in Perryville, MD Vilsmeier Auction Co , Inc

SAT AUG. 14 - 9 A.M. 4th Annual Consignment Sale of the Kutztown Fire Co. Located 1 mi. north of Myerstown off Rt 645 Local Auctioneers.

PUBLIC SALE
OF FARM MACHINERY, LIVESTOCK, BUTCHER TOOLS, ANTIQUES & HOUSEHOLD GOODS
SATURDAY, AUGUST 14
At 9:00 A.M.

LOCATION: 1788 Mt. Rose Ave. York, Pa. Approx. 1 block West of Exit #7 off I-83. Watch for sale signs

FARM MACHINERY

5 tractors. IH 300 w/torque amplifier, 2 pt. hitch, good rubber & hydraulics, IH Super C w/2 pt. hitch & hyd., Ferguson 30, WC Allis Chalmers & RC Allis Chalmers both restored, 4-row Massey Harris corn planter w/2 pt. hitch, Oliver hammer mill, 2-14' flat bed wagons with sides, IH 13 double disc grain drill, 25' hay elevator, 3 false unloading gates w/power unit, #206 New Idea speader like new, IH 24 disc, 3 IH sickle bar mowers, Massey Ferguson sickle bar mower, IH 14" 2-bottom trailer plows, Allis Chalmers cultivators, New Idea hay rake, New Holland #68 baler w/motor, JD crimper, hay tedder, IH 20 disc, Oliver 28 disc, Dunham 28 disc, JD #290 corn planter, Case speader, IH cultivator, JD rotary as is, Case 24 disc, 8' cultipacker, IH 10' harrow, weeder, Papec feed mixer, 3 pt. Ford rotary mower, Massey Ferguson 3 pt. 2 bottom plow, IH 2 pt. snow plow, IH 2 pt. 14" 2-bottom plow, 2 pt. platform, grindstone, bag trucks, hog troughs, grease guns, elec. grinder & motor, log chains, brooder, milkers, clover seed sewers, cement mixers, sprayer, rabbit & chicken coops, dog box, 10 x 50 cement silo, all sizes of tires, 2 wagon loads of small items, 2 cyd. Wisconsin engine & much more.

Craftsman 7 HP riding mower, outboard boat motor, 1963 Chevy half-ton truck, 1973 Opal GT; 51,500 miles

LIVESTOCK

Horses including a 16 month old gelding, 13 month old filly, 8 year old mare with colt and bred back, goats including 2 16-month old kids, 1 yearling, 1 milking goat 2 years old.

BUTCHER TOOLS

Wagner meat grinder w/built in motor, 2 hole butcher furnace, butcher furnace with 45 gal. kettle, sausage stuffer, stirrers, forks, ladels, dippers, knives, meat saws, Stillard scales, meat grinder, kettle & ring, scalding troughs, meat benches, wooden tubs, various sizes of crocks and wooden meat grinder made in York, Pa. & much more.

ANTIQUES & HOUSEHOLD GOODS

2 HP Fairbanks & Morris gas engine, 1½ HP Hercules gas engine, Model A Ford ton truck chassis, Brooks 2-hole corn sheller made in York Pa., grain fan, 3 platform scales, hay forks, 4-prong forks, wooden rakes, cross-cut saws, saw bucks, signed broad axes, post hole axes, buggy jack, hay knives, Auchey corn planter, horse cultivator, buck saw, hand augers, wooden block planes, wooden wheels, hillside plow, shovel plow, horse plow, sheaf forks, harness, single, double & triple trees, jacks, clover seed sewers, wooden forks, ice tongs, lanterns, nail kegs, wooden wheel barrows, hog catchers, half bus. measures, oil bottles w/carrier, jugs, cans, rope spool bed, pine kitchen cabinet, pine dry sink, oak cabinet, pine crib, oak dresser, odd oak chairs, 8-day mantle clocks, Seth Thomas brass clock, tin buckets, lights, vases, rockers, radios, single beds, milk cans, dinner bells, oak stand, gypsy pot, cuckoo clocks, egg crates, buggy lanterns, match boxes, pine table, New Perfection kerosene stove, copper wash boiler, baskets, 2 horse collars with mirrors, and lots more.

GE up-right refrigerator - freezer, Ben Hur chest freezer, International upright freezer, pots, pans, dishes plus more.

Owner
WILLIAM M. or 'BILL' KAUFFMAN
1788 Mt. Rose Ave. York, Pa.
854-7335
Auctioneers: Nelson Ahrens 428-1234
Ralph Brenneman 741-1728

Will be two auctioneers selling at one time.

TERMS: Cash, Cashiers check or certified check.

No personal checks unless approved by auctioneer.

Refreshments served by Springvale UM church.

Not responsible for accidents day of sale.

SAT. AUG. 14 - 11 A.M. Public Sale of Real Estate, Machinery, Autos and Misc Located ½ mi. east of Elizabethville, PA along Rt. 209 Russell Lebo, owner. Dockey, Deppen and Dockey, Auctioneers

SAT AUG 14 and 21 - 9.30 A.M. Public Sale of Valuable Antiques and Household Goods Located 24 mi south of Lancaster, from Lancaster take Rt 272 to Wakefield, at Wakefield take Rt. 222 south 2 mi or from MD line take Rt. 222 north 2 mi. Victoria Clendenin Scott Estate Lloyd H. Kreider, Randal V Kline and Gary L. Shirk, Auctioneers.

SAT. AUG. 14 - Public Sale of Farmette, Weekend Retreat and Acreage. Located near Honey Grove, 60 mi west of Hbg. Long Bros., Auctioneers.

SAT AUG 14 - 11 A.M. Public Sale of Farm Equipment, New Lumber and Used Lumber Located in Powells Valley, RD 2, Halifax, on Mountain Rd approx 3½ miles east off Rt. 225 on Camp Hebron Rd or 3 mi east on Powells Valley Rd and 1 mi south on Camp Hebron Rd. to Mountain Rd , 23 mi. northeast of Harrisburg. Alex Boyd, Owner Edwin E. Shoop, Auctioneer.

SAT. AUG 14 - 10 A.M. Public Sale of Engines, Guns, Antiques, Equipment, Cattle and Shoats Located in Mifflin Co , 1 mi. west of Milroy, PA and Rt. 322 along Back Mountain Rd Mr. and Mrs Mose I Hostetler, Owners. Mark Glick, Auctioneer.

SAT. AUG 14 - Public Sale of Line Equipment and Trucks Located in Glen Burnie, MD Vilsmeier Auction Co , Inc

PUBLIC SALE
FARMETTE, MACHINERY, HOUSEHOLD ITEMS & ANTIQUES
SATURDAY, AUGUST 7
10:00 A.M.

Located at dead end of Old Route 22, two miles west of Mifflintown, Juniata County.

HOUSEHOLD & ANTIQUES
10:00 A.M.

Oak kitchen cabinet; oak table; china closet; brass bucket; coffee mill;

TRUCK, CAR, MACHINERY
APPROX. 2:30 P.M.

1973 Buick automobile, 4 dr.; 1976 Chevrolet ½ T. pick-up truck; M.F. 135 tractor w/kelly loader; M.F. 65 diesel tractor; M.F. 35 tractor; M.F. 3 pt. mower; M.F. 3 F trip back plows; M.F. 2 row, 3 pt. corn planter; M.F. #12 baler; M.F. rolo bar rake; N.H. 8' haybine #477; potato digger & planter; M.F. 2F 3 pt. plows; 3 pt. cultivators; M.F. 110 manure spreader; 3 pt. 7' blade; 8 x 30 steel silo.

TERMS: CASH OR GOOD CHECK
SALE IN TENT
LUNCH

Estate of
GLENN W. EISENHUTH
Long Bros. Aucts.
Ph. 717-527-4458

PUBLIC SALE
OF FARM EQUIPMENT
at our place of business located six miles south of Chambersburg, Pa., one mile east of Marion, just east off Rte. 81 along Rte. 914 on

THURSDAY & FRIDAY, AUGUST 12 - 13, 1982
Sale at 9:00 A.M. Each Day

SELLING THURSDAY
TRACTORS - TRUCKS — IND. EQUIP. - LAWN & GARDEN EQUIP. ETC.

Tractors inc. John Deere, International, Fords, Massey Ferguson, Oliver, A.C., David Brown and others, some with loaders, some Ind. Equip., Trucks, Lawn and Garden of all kinds, lumber roofing, tires, new and used hardware and usual run of misc. items.

SELLING FRIDAY
PICKERS — HARVESTERS - HAY MACHINES - COMBINES - ETC.

One and two row pickers, Harvesters, Blowers, forage and other wagons, elevators, grain wagons, flail choppers, balers, rakes, haybines, mowers, combines, plows, chisel plows, disc and other harrows, packers, drills, planters, spreaders, sprayers, rotary mowers, blades, post diggers, hardware, a few tractors and balance of small items, etc.

FARMERS & DEALERS - Bring in your equipment for this two day sale. Next sale Thursday, September 9, "one day only." No equipt. with liens accepted unless we are notified. We offer complete sales service for your farm, livestock or equipment sales. Open daily 8 a.m. to 5 p.m. Saturday 4 p.m., open till 8 p.m. evening before sale. Closed Sundays.

Terms: Cash or Good Checks; Identification required. Lunch and Breakfast at sales.

RALPH W. HORST, Manager
Marion, Pa. 17235
Phone: 717-375-2824
Rentzel, Wolgemuth, Upperman, Bohrer, Speicher, Gossert, Harry, Auctioneers

SAT AUG 14 - 9 A.M. Public Sale of Real Estate, Personal Property and Antiques Located at 132-36 Arch St , Lancaster, PA Paul W Young, Owners. E M Murry Associates, Auctioneers

SAT AUG 14 - 9 A.M. Public Sale of Farm Machinery, Horses, Butcher Tools, Antiques and Household Goods Located at 1788 Mt Rose Ave , York, PA, approx 1 block west of Exit 7 off I-83 William M Kauffman, Owner Nelson Ahrens and Ralph Brenneman, Auctioneers

TUES. AUG 17 - 7 P.M. Public Sale of Horses, Buggies and Horse Equipment. Located at the Lebanon Expo Fairgrounds Peggy Brown 717-273-3016.

WED. AUG 18 - 9 A.M. Consignment Sale by David H Good located ½ mile North of Route 23 on North Maple Ave in Leola. Lancaster Co., PA Watch for sale signs F. Snyder, R. Martin, C Wolgemuth J Fry and L Horst, Auctioneer

WED. AUG. 18 - Public Sale of Trucks and Trailers Located in Nelsonville, NY. Vilsmeier Auction Co , Inc

WED AUG 18 10 30 A M Public Sale of Farm Equipment and Shop Equipment. Located 2 mi east of Hinkletown, along Rt 322 Glenn E and Joyce Weaver, Owners Elton and Alvin Horning, Auctioneers

THURS AUG 19 6 P.M. Public Sale of Real Estate Located at R D 3, Dillsburg, PA, go to Square in Dillsburg, turn onto E Harrisburg St , ½ block to Harrisburg Pike turn left to Mumper Lane, turn right to sale Helen M Snyder Estate George Haar, Auctioneer.

THURS. FRI. AND SAT AUG 19, 20 and 21 - 9 30 A.M. Public Sale of Carriages, Sleighs and Antiques. Located at Martin s Sales Pavilion, 2 mi east of Intercourse, Lancaster Co., PA Martin Auctioneers, Inc

FRI AUG 20 - 6 P.M. Public Sale of Swine Located at Lebanon Fairgrounds, Lebanon, PA Leon and Lawrence Arnold, Owners Harry Bachman, Auctioneer

FRI AUG 20 - 5.30 P.M. Gap Auction. Antiques and Household Goods sold at every auction Located off Rt 41, Lancaster Turkey Hill Minit Market, cross RR bridge

PUBLIC SALE
ANTIQUES, HOUSEHOLD GOODS
Glassware & Misc. Items
SAT., AUG. 7, 1982
11:00 A.M.

Located one mile South of Bareville. From Rt. 23 take S. Groffdale Road South to Eby Road. Turn right on Eby Road. Sale at first farm on left. Former Stoltzfoos Ice Cream Farm.

HOUSEHOLD — Kel. electric refrigerator; bottle gas stove; drop leaf table; extension table w/10 boards; 100 year old desk; 12 old fashioned chairs; 6 kitchen chairs; rocking chairs; high chairs; and odd chairs; beds; box spring and mattress; dressers; chest of drawers; cedar chest; clothes closets; stainless steel; cookware; old dishes; pots and pans; gas lights; electric lights; end tables, and night stands.

MISC. ITEMS — old hay fork; deep sea fishing rod; wooden shoes; snow shoes; storm windows; carpets and rugs; old clocks; papers dated 1913; pie cupboard ice cream pails; post cards; wash bowl; yarn and many other small items.

Sale by
BENJAMIN & EMMA STOLTZFUS
Auctioneers
John P. Lapp
Alvin L. Stoltzfus
717/656-7205

Ira Stoltzfus & Son Auctioneers

FRI AUG 20 - 6 30 P.M. Consignment Sale of Cattle and Feeder Pigs Keister's Middleburg Auction Sales Inc Rt 522, 3 miles East of Middleburg, 5 miles West of Selinsgrove, Pa Don & Walt Keister, Owners, Ray Long & Dave Imes Auctioneers

FRI AUG 20 - 7 P.M. Public Sale of Cattle Located at sale barn, 12 mi east of Lancaster off Rt 23 New Holland Sales Stables

SAT. AUG 21 - 9 A.M. Public Sale of Farm Equipment, Household and Antiques Located at the Leesport Auction Grounds, Rt 61 north of Reading Berks Co Pocono Grange.

SAT AUG 21 - Farm equipment, antiques, household items, tools Located 1½ miles east of Country House Restaurant, Myerstown at 351 Elco Dr. Owners Harold R and Ester M Blecker Dave Risser Auctioneer.

SAT AUG 21 - 10 A.M. Public Sale of Hogs, Tractors, Farm Machinery, Grain, Hay and Straw Located at R D 5, (Old York Rd.) Dillsburg, PA in Dillsburg 1st St. south of Square to E York St , turn left approx. ½ mile to sale Earl Latsha, Owner George Haar, Auctioneer

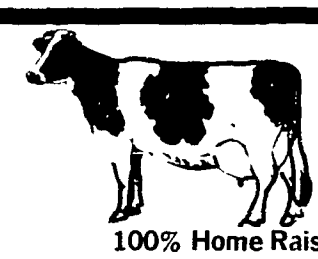
SAT AUG 21 - 9 A.M. Public Sale of Buidling Supplies Located along Rt 272 at Gerhart Bros Branch Yard, 1102 Pointview Ave , across from K Mart, Ephrata, PA Gerhart Bros., Owners T Glenn and Timothy G Horst, Auctioneers.

MON AUG. 23 - 9.30 A.M. Consignment Sale Located at S. Race St., Myerstown, Pa 17067 Sale held by Wengers Farm Machinery, Inc

TUES AUG. 24 - 5 30 P.M. Public Sale of Travel Trailer, Truck, Cars, Tools and Household Goods Located at 321 S State St., Talmage, along Rt. 772, ½ mi. east of Brownstown, PA. Audrey A Imber, Owner T Glenn and Timothy G Horst, Auctioneers

WED AUG 25 - 6 P.M. Pa's 5th Performance Tested Boar Sale at Pennsylvania Department of Agriculture's Meat Animal Evaluation Center, 651 Fox Hollow Road, State College, Pa 16801 Sponsored by The Pennsylvania Department of Agriculture in cooperation with the Penn State University and the Pa Pork Producers Council

HOLSTEIN MILKING HERD & BRED HEIFER DISPERSAL



20 Years of NEBA Breeding! 100% Home Raised

FRIDAY, AUGUST 6, 1982
at 12 Noon, Washington, NJ.

Carl Vliet, Anderson Rd., 3 miles South of Washington, N.J., Take Rt. #31, turn East by Shangrila Restaurant on Anderson Rd., continue 1 mile to Farm (opposite Getty Oil Terminal)! 15 miles S.E. of Easton, PA.!

12 Noon - 57 hd. Home Raised Holsteins!

37 cows, 4 fresh recently, 16 hd. due from Aug. through Nov., 1 due Dec. and 1 due Jan., Balance in various stages. Individuals in this herd are large, strechy cows with well attached udders. 21 hd. of well grown bred heifers with individuals showing tremendous depth of body and good udder promise! These heifers show top breeding and will satisfy the most particular cattleman. They are outstanding. 18 hd. are due Aug. and Sept., 2 are due Oct., 1 due Nov.! Breeding - 20 years of NEBA Breeding. 100% home raised!

Note - 65% bred for fall Production! Vet examined for pregnancy! T.B. and Blood tested for immediate interstate Shipment. Plan to take advantage of this opportunity! Not responsible for accidents!

Terms: Cash or Good Check w/I.D. paid in full Sale Day!

Owner - **Carl Vliet**
201-689-3957

Sale Conducted By:
Col. Fred R. Daniel Auctioneers Inc.,
Neshanic Sta., N.J. 201-369-4784

(Farm Sales are our Specialty)
Lunch Available

Public Sales Register

Closing Date - Monday, 5:00 P.M.
of each week's publication

THURS AUG 26 - Public Sale of Cattle Located at R D 1, East Waterford, Juniata Co., PA Samual S Jones, Owner Kling's Auction Service, Mgrs

THURS AUG 26 9 30 A.M Fall Farm Equipment Sale located 4 miles W of Manheim just off Hosler Road along Valley Road, 8 miles from Rt 283, Mt Joy Exit, Lancaster Co., Pa C H. Wolgemuth & Sons, Horst, Rentzel, Shaffner & Bob Wolgemuth, Auctioneers

THURS AUG 26 - 6 P M Public Sale of Real Estate Located 2 mi north of Annville, PA Lebanon Co From Annville follow Rt 934 north to Hill Church Rd , turn right and proceed east to 1st intersection (Thompson Ave) turn right and go to 1st farm on right Former Stanley C Keller Farm Dale Rudy and Roger Myers Auctioneers

FRI AUG 27 7 P M Lebanon County Holstein Club Annual Sale Located at the Lebanon Area Fairgounds Harry H Bachman, Auctioneer

FRI AUG 27 - J.30 P M Gap Auction Antiques and Household Goods sold at every auction Located off Rt 41, Lancaster Turkey Hill Minit Market, cross RR bridge, Ira Stoltztus & Son Auctioneers

FRI AUG 27 - Public Sale of Farm Equipment, Crops and Tools. Located at the intersection of 533 and 443 in the town of Orstown, Franklin Co , PA. Earl and Mary Hurst, Owners Nevin Martin and Melvin Sensening, Auctioneers

SAT AUG 28 - 12 30 P M Ram Lamb & Ewe Sale at Pennsylvania Dept of Agriculture's Meat Animal Evaluation Center, 651 Fox Hollow Road, State College, Pa 16801

SAT AUG. 28 - 11 A M Consignment Horse Sale at the Keister's Middleburg Auction Sales, Inc Rt 522, 3 miles East of Middleburg, 5 miles West of Selinsgrove, Pa Don & Walt Keister, Owners Ray Long & Dave Imes Auctioneers.

SAT AUG 28 Public Sale of Furniture, Antiques, Tools, Quilts, Groceries, Dry Goods and Sporting Goods Located on Rt 23 between Leola and New Holland Seventh Annual Sale Bareville Fire Co 211 E Main St , Leola, PA

SAT AUG 28 11 A.M Public Sale of Farm and Equipment Located between Bowmansville and Fivepointville along School Rd , Brecknock Twp , Lancaster Co Terms by Eugene and Mary Weaver Horning Farm Agency, Auctioneers

SAT AUG 28 - Public Sale of Farm and Personal Property Located along School Rd , between Bowmansville and Fivepointville, Brecknock Twp , Lancaster Co , PA Eugene and Mary Weaver, Owners Elton and Alvin Horning, Auctioneers

SAT AUG 28 - 10 A M Public Sale of Farm Tractors and Equipment. By Jacob H Gockley, Reinholds, PA Blaine Rentzel, Auctioneer

SAT AUG 28 - 10 A M Public Sale of Farm Equipment, Cars, Trucks, Motorcycle, Snowmobiles, Lumber, Lawn and Garden Equipment and Woodworking Tools Located in York Springs ¼ mi north of Rt 94 Interchange, Rt 15, on Ridge Rd Golden Ridge Rd. Golden Ridge Farms, Owner Clair R Slaybaugh, Auctioneer

SEPTEMBER

WED. SEPT 1 - 9 A M Consignment Sale by David H Good located ½ mile North of Route 23 on North Maple Ave. in Leola. Lancaster Co , PA. Watch for sale signs. F Snyder, R Martin, C. Wolgemuth J. Fry and L Horst, Auctioneer.

SAT. SEPT 11 - 9.30 A.M. Public Sale of Farm Equipment and Misc. Items Located at R D. 4, Honesdale, PA Marshall Machinery Inc.

FRI SEPT 3 - 9.30 A M Public Sale of Machinery Located at the Belleville Livestock Market, Belleville, PA. 717-935-2146. Glick, Gibboney and Gilligan, Auctioneers.

MON. SEPT. 6 - 8:30 A.M Public Sale of Antiques, Shop Tools and Etc Located in the borough of Hanover, PA at #17 Charles St which is east of the Hanover Hospital. Reuben Becker, Owner. Clair R. Slaybaugh, Auctioneer.

FRI. SEPT. 10 - 6 P.M Public Sale of Guns. Located at Elks Ball Room, 3rd and Penn Sts., Huntingdon, PA. W.G. Wilson, Owner. Dale Gibboney, Auctioneer.

FRI. SEPT. 10 - 5:30 P.M Gap Auction. Antiques and Household Goods sold at every auction Located off Rt. 41, Lancaster Turkey Hill Minit Market, cross RR bridge, Ira Stoltztus & Son. Auctioneers

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AVALONG FARMS
COMPLETE DISPERSAL

104 Holsteins and Guernseys at Auction
THURSDAY, AUGUST 12

11:00 A.M.

FARM LOCATION: The farm is west of York at the junction of Rt. 30 and Mt. Zion Road. It is just across Rt. 30 from the Caterpillar Plant.

HOLSTEINS SELLING

SELLING 51 HEAD - 30 COWS - 7 BRED HEIFERS - 14 OPEN HEIFERS AND CALVES

T.B. AND BANGS ACCREDITED - BANGS VACCINATED

The Avalong herd is an extremely high producing herd with a rolling average of 19580 milk and 754 fat. There are 11 cows selling with over 20,000 milk.

Some of the sires represented are Elevation (2), Poverty Hollow Milestone (5), Paclamar Astronaut (3), Tiho Kit Builder (4), Creek Bluff Elevation Lester (3), Hillaire Mon Fleet (4) - Sexation, Valiant, Marvex, Jemini. There will be 5 head selling in calf to Ocean View Sexation, 7 to Hillaire Mon Fleet, 4 to Milestone plus other top sires.

The freshening schedule of the herd will help during the base period with 20 head calving between May and September.

FOR CATALOGUES AND INFORMATION CONTACT

Remsburg Sales Service
A. Doty Remsburg
Jefferson, Md. 21755
Denny Remsburg
Norman Hill
Phone: 301-473-8214

The Merryman Company
John B. Merryman
P.O. Box 566
Sparks, Md. 21152
Phone: 301-771-4624 - Home
301-771-4625 - Office

GUERNSEYS SELLING

SELLING 53 HEAD - 29 COWS -
12 BRED HEIFERS - 12 OPEN HEIFERS AND CALVES
HERD AVERAGE 12,363M - 549F
BANGS & T.B. ACCREDITED - CALFHOOD VACCINATED

Sires Represented - McDonalds Top Pilot (8), Housleys Dari Fayvor (7), Prince Emory (10), Kellogg Minnies Choice (3), Western Glow Wistar Premier (2), Edisto Farms T. H. Friday (2), & Top Hornet.

Services Sires - Western Glow Wistar Premier (12), Lone Palm T. H. Jupiter (5), CoHill Farms T. H. Big Tex (6), Red Hill King Henry (4), McDonalds Top Pilot (5).

22 Head are due to calve July through October.

The herd is in excellent condition - has been rigorously culled and has a very regular breeding history. There are many high record cows selling whose dams and grandams also have high records.

FOR CATALOGUES AND INFORMATION CONTACT

PA. Guernsey Breeders' Assn.
2497 Lincoln Hwy. East
Lancaster, PA 17602
Ph: 717-299-8955

The Merryman Company
P.O. Box 566
Sparks, MD 21152
Ph: 301-771-4625

Both the Holstein and the Guernsey herds have been under the supervision of Larry Amspacher, the herd manager, for over 10 years. Mr. Amspacher is a top cowman and has been at Avalong Farms for over 20 years. Both of the herds are in excellent shape.

The sale will start at 11:00 A.M. with the Holsteins. The Guernseys will immediately follow.

Owner
AVALONG FARMS, INC.

Larry Amspacher, Manager
Phone: 717-755-4729 - Barn
717-755-5087 - Home

AUCTION

DAULER FARM; ESTATE

Directions: Turn off Rt. 220 West of Williamsport on Pine Run Road - Follow Auction Signs - .4 mile past New Lycoming Christian Church on Township Rt. 375 on Martin Road.

SATURDAY, AUGUST 7

Starting at 9:30 A.M.

COMPLETE LINE OF FARM EQUIPMENT, ANTIQUES, HOUSEHOLD GOODS & 1972 FLAMINGO MOBILE HOME.

FARM EQUIPMENT

Kilbros bin wagon 165 bu. on rubber, 8' disk, 2 row tractor cultivator, McCormick hay conditioner, McCormick 7' mower, McCormick 2 row mounted corn picker, 8' Easyflo line drill, 1957 McCormick #46 baler steel tired hay kicker, McCormick steel tired side delivery rake, New Holland flail chopper, McCormick 2 row corn planter (tractor planter-pull type), Oliver Superior 11 hole 7' grain drill with grass seeder on steel, hay wagons on rubber, fanning mill, horse-drawn walking plow (1 Syracuse Side Hill), #17 New Idea manure spreader on rubber, 2 hole corn sheller, 30' elevator, 2 wheel trailer, 400+ bales wheat straw, 800+ bu. of ear corn, 1952 Farmall M tractor, Farmall tractor 400 live power, Oliver 2 bottom 16" Hydraulic lift trailer plow, hammermill, 3 section spring tooth harrow, 7" Inchlage pipe, horse collar, Emory wheel, single trees, double trees, hay hock, tires, binder canvases, horse tongue for wagon, set dehorners, milk stools, Girton milk bottles, Delaval S.S. milkers, forks, shovels, cow halters, cow chains, rope halters, nose leads, electric fences, hot water heater, 2 wheel trailer, 4 hole hog feeder, wooden stool, bag truck, 50' endless 6" belt, home grown timothy & clover seed, hog feeder, chicken feeder, 10' cultipacker, plus much, much more

ANTIQUES, HOUSEHOLD GOODS & MISCELLANEOUS

Ice tongs, buckboard buggy seat, old wooden wheelbarrow, line shaft with pully, milk cans, wooden pulleys, old cobblers bench, old wringer washer, 5 legged 42" kitchen table, wooden table with drawer, auger, old tools, wood box, old books, old strawberry crate, wooden shoe box signed J.H. Fague, Hughesville, Pa., irons, iron bed, old pictures, sewing machine cabinet, Dr. Johnson's cracker box, flatiron forks, cedar chest, World Warr II uniforms, camper jack stand, 2 pc. living room suite, lamp, recliners, chair, foot stool, blue rock targets, old cot, plus much, much more.

CENTURY 21 RELL REAL ESTATE AUCTION DIVISION

will offer the 1972 - 12x60 - 2 bedroom Flamingo mobile home at 11:00 A.M. For inspection and financing - Call 398-7316 NOW.

Terms: 10% down the day of auction, settlement and balance of cash in 30 days. This mobile home will be offered to the highest bidder, subject to buyer's approval and seller's acceptance of sales contract. Seller reserves right to sell mobile home prior to auction.

Order of Sale - Farm Equipment will be sold first.

TERMS OF SALE ARE CASH OR LETTER OF CREDIT WITH GOOD CHECK.

Lunch will be served

Tent if needed **Bring chairs**

Sale by Owner:
THEODORE DAULER ESTATE

Auctioneer & Real Estate Broker
Bernard D. Rell
Associate Auctioneer - Scott Younkin
252 Allegheny Street
Jersey Shore, Penna
Phone 398-7316

by Rell Auction

JUNIATA CO. FARMETTE WEEKEND RETREAT & ACREAGE

PUBLIC SALE

SATURDAY, AUGUST 14

Located near Honey Grove, 60 mi. west of Hbg.

PARCEL #1 - 14 ac. mostly cleared, 7 room dwelling & bank barn in poor cond.
PARCEL #2 - 5½ ac. mostly cleared, 5 room dwelling in fair cond.
PARCEL #3 - 10 ac., ½ cleared, exc. bldg. site.
Located in exc. hunting & fishing area.

For complete info. contact:
Long Bro., Auct.
RD#2 Port Royal, Pa. 17082
Ph. 717-527-4784

MERIDALE HERD REDUCTION SALE & OPEN HOUSE

WEDNESDAY, AUGUST 11, 1982

11:00 A.M.

Meridale, NY, sale located at the farm, on Rt. #28, 6½ miles west of Delhi, 13 miles east of Oneonta, Delaware County. "Meridale" is an historic farm, having been one of New York's most well-known Jersey farms in the past century and up until the late 1930's. At one time the farm consisted of over 3,000 acres with many sets of buildings. The present farm comprises about 1,300 acres and most of the buildings. The Werbluds have owned the property since 1949, developing a Holstein herd of over 400 head. Recently, remodeling and renovation of many buildings has begun.

The present sale is contemplated to show case the work already completed and the proceeds from the sale will be used to further rejuvenate this historic old farm. We were allowed to select from all age groups in both registered and grade cattle to insure a high quality sale of uniformly good cattle.

150 registered & high grade Holsteins Selling will be 60 young cows, mostly fresh or due in early fall, a good group of bred heifers and a cross section of open heifers and calves. Most of the 1st calf heifers calve between 22 and 26 months of age with excellent size and good quality. (registered cows-35; grade cows-25; registered bred heifers-15, grade bred heifers-20; registered open heifers-23; grade open heifers-17; registered calves-5; grade calves-10) The herd is basically all sired by Eastern A.I. sires, (Apache, Strephon, Grand Fortune, Challenge, Ted, Lewie, Killian, Adventurer, Elstan), and has been on regular D.H.I.A. for only 2 yrs. Already there are cows with records in progress over 25,000 lbs. of milk.

The herd has been homebred for over 30 years. Record keeping is such that nearly all the grade cattle may be identified. A few top records from the herd: a registered Halo bred heifer from an Earl dam making 25,000 milk this lactation. Lewie calf from 20,000 lb. dam. Grand Fortune heifer from a Barrett dam, bred to Sleepy Hollow Mag Chief-Red. See the new milking facilities, tie stall barns, renovated croplands, etc. prior to the sale. Enjoy free refreshments. Sale will start promptly at 11:00 A.M. All cattle calfhood vaccinated and interstate tested. If you want milk - plan to be at Meridale on August 11th.

NATHAN & MAURICE WERBLUD
Owners
Richard Kassel, Mgr.
Sale Managed by G.J.S. Coyne, Inc.
Auctioneers and Sale Managers,
Geneseo, NY 716-243-3380

G J S COYNE INC.

Public Sales Register

Closing Date - Monday, 5:00 P.M.
of each week's publication

SAT. SEPT 11 - 10 A.M. Public Sale of Household Goods, Antiques and Tools. Located along Rt. 322, ¼ mi. east of "the Buck", 12 mi. south of Lancaster. Mrs. Harold K. Cramer, Owner. J. Everett Kreider, Auctioneer.

SAT. SEPT. 11 - 9:30 A.M. Tractors, Gas Engines, Saw Mill, Tools, Furniture, Collectibles and Misc. Directions, Frederick bypass get off on exit 7 onto Rosemont Ave. go west on Rosemont Ave. ¼ mi. turn left on Shookstown Rd. Go 3 mi. to Overbrook Circle and turn left. It will be the first place on the right. 6397 Overbrook Circle, Frederick, MD. Charles Watson, owner. Skip Zimmerman, Auctioneer

SAT. SEPT. 11 - 9.30 A.M. Fall Cleanup Sale 20 farm tractors, asst. farm machinery, forage harvesters, corn pickers, many other miscellaneous items both new and used. Rt. 652 Honesdale, Pa. Marshall Machinery Inc. 717-729-7117

WED. SEPT. 15 - 9 A.M. Consignment Sale by David H. Good located ½ mile North of Route 23 on North Maple Ave. in Leola. Lancaster Co., PA. Watch for sale signs. F. Snyder, R. Martin, C. Wolgemuth J. Fry and L. Horst, Auctioneer.

FRI. SEPT. 17 - 6.30 P.M. Consignment Sale of Cattle and Feeder Pigs Keister's Middleburg Auction Sales, Inc. Rt. 522, 3 miles East of Middleburg, 5 miles West of Selinsgrove, Pa. Don & Walt Keister, Owners, Ray Long & Dave Imes Auctioneers.

FRI. SEPT. 17 - 5.30 P.M. Gap Auction. Antiques and Household Goods sold at every auction. Located off Rt. 41, Lancaster Turkey Hill Minit Market, cross RR bridge, Ira Stoltzfus & Son. Auctioneers

SAT. SEPT. 18 - Public Sale of Heifers, Quilts and Hand-made Items. Located 3 mi. south of Atglen, PA along Newport Pike, Old Rt. 41 West Fallowfield Christian School Building Fund Kurtz, Stoltzfus and Petersheim, Auctioneers.

SAT. SEPT. 18 - Public Sale of Lebanon Co. 40 acre Limestone Soil Farm and Farm Equipment, Etc. Located ½ mi. south of Myerstown, PA on Railroad Street Hubert S Miller Estate. Dave Risser, auctioneer.

SAT. SEPT. 18 - Public Sale of Household Goods and Antiques. Located along Rt. 897, 2 mi. north of Schaefferstown Mrs. Elmer H. Martin, Owner Nevin Martin and Lewis Groff, Auctioneers.

SAT SEPT. 18 - Public Sale of Farm, Farm Implements, Household Goods and Antiques. Located first farm on right, coming out of Brunnerville on Lincoln Rd Bertha M. Ritter, Owner. Frank and Paul Snyder, Auctioneers

FRI. SEPT. 24 - 5.30 P.M. Gap Auction. Antiques and Household Goods sold at every auction Located off Rt 41, Lancaster Turkey Hill Minit Market, cross RR bridge, Ira Stoltzfus & Son. Auctioneers

SAT. SEPT 25 - 11 A.M. Consignment Horse Sale at the Keister's Middleburg Auction Sales, Inc Rt 522, 3 miles East of Middleburg, 5 miles West of Selinsgrove, Pa. Don & Walt Keister, Owners. Ray Long & Dave Imes Auctioneers.

SAT. SEPT 25 . Public Sale of Antiques, Tools and Household Goods. Located midway between Bowmansville and Fivepointville. 1 mi. west of the village of Bowmansville, Brecknock Twp, Lancaster Co, PA Sale by Clayton Kilmer. LeRoy Horst and Paul Horst, Auctioneer.

TUES. SEPT 28 - 12.30 P.M. Reg. Holstein Dispersal, 21 miles south of Lancaster, Rt 272 to Little Britain, take little Britain Road to Green Lane. Watch for arrows Owners- Martin E. and Alma J. Ressler, Diller and Kreider, Auctioneers

OCTOBER

FRI OCT. 1 - 11 A.M. Walk-Way Holstein Promotional Sale located in Lock Haven, Pa Harris Wilcox, Bergen, NY Auctioneer. 717-769-7273

SAT OCT. 2, 1982 - Wesson's "Spirit of '82" Sale, at the Wesson Charolais Ranch, Koshkonong, Missouri.

SAT. OCT. 2 - Public Sale of Line Equipment and Trucks. Located in Astoria, NY Vilsmeier Auction Co., Inc.

WED. OCT. 6 - 9 A.M. Consignment Sale by David H Good located ½ mile North of Route 23 on North Maple Ave in Leola Lancaster Co, PA Watch for sale signs F Snyder, R. Martin, C Wolgemuth J Fry and L. Horst, Auctioneer.

THURS OCT. 7 - PA State Grange Reg. and Grade Holstein Above Herd Average Dairy Sale at the Guernsey Sales Pavilion, 6 mi. east of Lancaster along Rt. 30. State Grange and J Everett Kreider, sale managers and auctioneer

MON OCT 11 - Hubert Charolais Ranch Production Sale Located at the ranch, Monument, Kansas. Sale managed by Buzz Garey, 100 Walnut Lane, Morrisville, PA 19067

FRI OCT 15 - 6.30 P.M. Consignment Sale of Cattle and Feeder Pigs Keister's Middleburg Auction Sales, Inc. Rt. 522, 3 miles East of Middleburg, 5 miles West of Selinsgrove, Pa. Don & Walt Keister, Owners, Ray Long & Dave Imes Auctioneers

SAT. OCT. 16 - Public Sale of Line Equipment and Trucks. Located in Allentown, PA. Vilsmeier Auction Co., Inc.

PUBLIC SALE
OF REAL ESTATE

The Executors of the will of Barbara C. Smith, deceased, will offer at public sale at 9:30 o'clock A.M., D.S.T. in front of the Franklin County Court House in Chambersburg, Pa. on

SATURDAY, AUGUST 7, 1982

Decedent's good limestone farm cont. approx. 70 A and 90P. as described in Franklin Co. Deed Book Vol. 451, page 118, located at Montgomery Township, 7 m with 7-rm frame, aluminum siding dwelling, wash house attached, oil hot air furnace; 2 floor bank barn, metal roof; steel corn crib; implement shed, cement block silo and dairy house. Well water.

INSPECTION: July 24 and 31 from 10:00 A.M. to 2:00 P.M.

TIME OF SALE: 9:30 A.M., D.S.T.

TERMS: 10% down, balance on or before Sept. 10, 1982; possession of house and buildings on final settlement; land under crop share lease with all growing crops reserved for tenant and seller. Other terms at time of sale.

Helen S. Knoll
Kathryn S. Billow
O. Ray Smith
Donald L. Smith
EXECUTORS

Steiger and Steiger
56 S. Main St.
Mercersburg, PA 17236
ATTORNEYS
J. Robert Meyers, Auctioneer

PUBLIC SALE

OF NEW, USED & ABUSED FARM EQUIPMENT & TOOLS
WED., AUGUST 11
At 9:30 A.M.

Located 10 mi. East of Lancaster, between Leola and New Holland, turn off Rt. 23 on South Groffdale Rd., turn left on Musser School Rd., Lancaster County, Pennsylvania.

TRACTORS

930 Case Diesel C.K.; 500 Case Diesel; 560 I.H.C. gas; 2 Farmall M; D19 Allis; RC Allis; John Deere L.A. with 2 Way Plow and Cult.; Int. W9 Gas.

NEW EQUIPMENT

8 ft. Brillion Packer Seeder; 206 N.I. Spreader; 10 ft. Pittsburg Spring Harrow; Gravity Bin.

USED EQUIPMENT

No. 7 and No. 9 McCormick Cutters; 16 in. Papec Cutter; David Bradley Cutter; McCormick Ground Drive and P.T.O. Corn Binder; 188 Gehl Harvester; C40 Gehl Cutter; Kool Blower; N.I. 323 Picker; New Holland 56 Rake; John Deere 640 Rake; Trailer Plows; 2 Way Plows; 24 John Deere Disc; N.I. 4 Bar Rake; Smoker and Lapp Elevators; McCormick 100 Trailer Mower; Potato Plow; Truck load of New Tools.

Auctioneer Note: — This is just a partial listing, many more items before day of sale.

Terms are cash. Out of State Checks must be approved by seller

Terms by
ELIAS S. BEILER
601 Musser Rd.,
Leola, PA 17540
Closed Sunday

Auctioneers
Robert E. & Jeffrey R. Martin, 656-7770
Frank L. Steller, 656-8195
Blaine Rentzel

Food by Bareville Auxiliary
Not Responsible For Accidents

PUBLIC SALE

The undersigned will offer the following on

SATURDAY, AUGUST 7
At 9 A.M.

At the General Repair Shop of the Late Paul Geary on Rt. 322, 3 miles West of Potters Mills, situated in Potter Township, Centre County.

SHOP TOOLS

Craftsman lathe, 3' bed 6" swing; Packard heavy duty floor 12 speed drill press; Kwik-Way valve facing machine; Power hack saw; Home-made heavy duty 12" wheel grinder; Brake rivoting tool; Sunner bushing honeing machine; Smith, oxygen, acetylene cutting torch with tanks; 3 ton Walker floor jack; New Duracraft porta power with attachments; Ingersoll Ran electric ½" impact tool; Vise Porta Cable grinder & polisher; ½" heavy duty Black & Decker drill; Slieve puller; Wi-To-Co., in Blok, crank shaft grinder; Cylinder Hone; Ridge Reamer; Bonney No. 66 Torc Wrench; Craftsman Torc Wrench; Number of valve lifting tools; 2 wheel bench grinder; Tire changing machine; New Packard ½" impact wrench; Lincoln Air greaser; ¼ h.p. motor with flaxable shaft; Craftsman 3 fase, 3 h.p. motor; Sears air compressor on 80 gal. tank; Tire balancing machine; AC Spark plug cleaner; Practically new Silver Beauty battery charger; Transmission grease dispenser; 1½ ton chain hoist; Parts washer; Heavy duty bench vise; Lot of parts for old cars; Lots of new bolts, screws, V-belts, flat & lock washers; John Deere, electric start, 21" self-propelled lawn mower; Oil filters; Armatures; Home-made heavy duty welding table; New tie rod ends; Various lawn mower engines for parts; Various lawn mowers; New lawn sweeper; Lawn roller; Rubber tire wheel barrow; Home-made sprayer; 2 old Reo reel type lawn mowers; 275 gal. fuel tank; 215 ft. of walnut lumber; Metal fence stakes; Locust posts; Lot of 1-¼" plastic pipe; Pile of spouting; New flat steel, ¼" x 1", ¼" x 1-¼", ¼" x 2", ¼" x 6"; Rolled steel, 1-¼" x 20', 1-½" x 20'; Channel iron, 4" x 12-½"; ¼" various lengths; Numerous pieces of new iron; Various sizes of boiler plate; National cash register; Old manuels; I.H. No. 52 power take off combine; Other shop items too numerous to mentin.

TRUCK

1975 Dodge Club Cab 200 power wagon, 16,000 actual miles. A-1 Condition.

CAR

1977 Chevy Nova 43,000 actual miles.

JEEP-WELDER UNIT

1952 Willy's Jeep station wagon with 200 amp. General Electric Welder. Welding rods.

CAMPER

Tour-a-Home 10' pick up camper. Sleeps 4. Contains gas stove and refrigerator and a port-a-pot.

REAL ESTATE

SHOP — 42'x32', 5 Bay, 2 story concrete block building. Coal fire steam heat.

HOUSE — 1½ story brick house, 4 rooms and bath first floor and 4 bedrooms and bath on second floor. Full basement with fruit cellar. Oil fired hot water heat. Built in 1976. Situated on 6 acres of ground.

Real Estate will be offered at 1 p.m. followed by Truck, car, welder unit and camper.

Real Estate — $10,000 down.

Balance in 30 days.

Personal Property - Cash or Good Check

Lunch will be served by the Tusseyville Church.

AUCTIONEER AND OWNERS ARE NOT RESPONSIBLE FOR ACCIDENTS

Executors
Lee Geary
Walter Geary
Russell Geary
Centre Hall, R.D.

Auctioneer — P.F. "Bud" Wasson

MARK YOUR CALENDAR NOW!
The place to be on
OCTOBER 19, 1982
At 10:00 A.M.
is the DUTCHESS COUNTY FAIR GROUNDS, RHINEBECK, NEW YORK.
COMPLETE DISPERSAL - 250 HEAD
REGISTERED HOLSTEINS
KAINDALE FARM, Amenia, N.Y.

Popular sires - good production - watch for future ads for more information.

Sale Manager:
HANOVER HILL SALES & SERVICE, INC.
P.O. Box 446
Millerton, New York 12546
Phone: 518-789-4722

PUBLIC SALE
OF REAL ESTATE, HOUSEHOLD GOODS, ANTIQUES & TOOLS
SAT., AUGUST 7
SALE TIME 9:00 A.M.

Located along Rt. 897 approx. 1 mile south of Terre Hill, Lancaster Co., PA.

2½ STORY BRICK DWELLING

with washhouse attached. First floor contains eat-in kitchen, den, double living room and ½ bath. Four bedrooms and full bath on second floor. Storm windows. Oil-fired hot air heat. Well and cistern with pressure system. Porch on two sides of house. Plenty of old shade. Well-built house with slate roof. Lot size ¾ acre, more or less.

LARGE 3 CAR GARAGE WITH SHOP AREA

HOUSEHOLD GOODS

Blanket Chest; Wardrobe; Single Bed; Hospital Bed; Bureau; Washstand; Chairs; Cabinet; Braided Rug 90"x119"; New Braided Throw Rug; Recliner; Couch; Sheets; Pillows; Throw Pillows; Quilts; Blankets; Dishes; Canning Jars; Crocks; Canner; Electric Maytag Washer; Tubs; Washbaskets; Electric Heater; Oil Heater; Kerosene Lights & Lanterns; Porch Swing; Bench; Lawn Chairs; Books and many more small items.

ANTIQUES

Desk with Bookcase, Doors have Oval Shaped Glass; Chest of Drawers; Wooden Chest; Dresser; Washstand with Towel Rack; Blanket Chest; Bedroom Suite; Set of Cane-Seated Chairs; Wardrobe; Casters; Corn Dryer; Tin Measuring Cup; Latin Lantern; 3 Piece Pitcher & Bowl Set; Buggy Lantern; Gas Lantern.

OLD COINS: 1776, 1865 & 1907 Indian Heads; 1828 Half-Cent Piece; Canadian Half Dollar; 1889 Silver Dollar; 1945 Silver Half Dollar; Approx. 50 Silver Quarters Dated 1935-1964.

GUNS

Stevens 12 Gauge Single Shot Shotgun; Springfield 22 Rifle; Single Shot, Revelation BB Repeater.

SHOP TOOLS

Wheel Horse Hydrostatic Riding Mower; Chain Saw; Platform Scales; Wheel Barrow; Creeper; Handy Man Jacks; Hydraulic Jacks; Bench Vise; Table Grinder; Bag Wagon; Sump Pump; Wooden Rake; Ladders; Bushel Crates; Tobacco Sizer; Shovels; Ropes; Small Tools.

Note: Real Estate and Coins will be sold at 2:00 P.M.

Open House (Real Estate Only): Saturday, July 31, 1-4 p.m. For appointment call 445-5823.

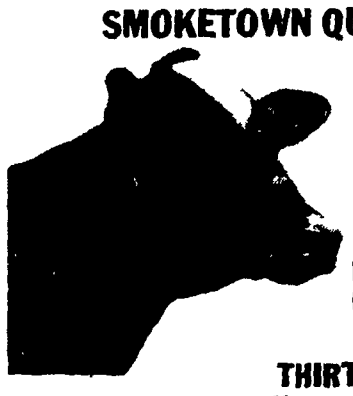
Terms: 10% down day of sale. Balance at settlement within 45 days.

Terms By:
FRANCES W. HURST

Auctioneers:
Lamar F. Sensenig (354-8116)
Paul W. Horst (445-5119)
Weaver & Wentz, Attorneys

Refreshments Available
Not Responsible For Accidents

SMOKETOWN QUALITY DAIRY SALE CO.



COMPLETE MILKING HERD AND BRED HEIFER DISPERSAL
High Grades - All Home Raised
TUESDAY, AUG. 10
8:00 P.M.
To be held at Smoketown Quality Dairy Sale - Rt. 340. 5 miles East of Lancaster. 5 miles West of Intercourse.

THIRTY-FIVE HEAD

This herd Avg. 44 lbs. per day with a 3.8t to 3.9t. There are 22 cows due from July thur Dec. Average age 2 to 5 yrs. Some cow families in herd. Cows are out of A.I. Curtiss bulls and bred to Curtiss and Select Sire. A.I. Bulls

One Reg. cow in herd. Born 7-25-77 Sire-Whittier-Farms Ivanhoe Ace +678m + 10F. Daughs. Avg. 17,054 m.

Bred to Limestone Lancelot EX91 +1076m. +39F. Daughs. Avg. 18,082m. 648f.

Sires that bred this herd include:

E-Z, Acres Ivanhoe K Treat - V.G. 87 +1168m. +24f. Daughs. Avg. 17,256m. 611f.

Kay-Hart Chief Navigator - G.P. 83 +1215m. +54f. Daughs. Avg. 18,525m. 695f.

Limestone Lancelot - EX 91 +1076m +39f. Daughs. Avg. 18,082m. 648f.

Rocby Elevation Celebrity - EX93 - +1182m. +25f. Daughs. Avg. 17,360m. 605f.

Paragon Bootmaker - Ex Son of Paclamar Bootmaker +1530m. +31f. Daughs. Avg. 18,171m. 629f.

Wilcoxview Performer Pat-Twin-Ex son of Romandale Performer. +1347m. +27f. Daughs. Avg. 18,467m 642f.

Stordom Bootmaker Mannix - EX91. +959m +27f. Daughs. Avg. 19,189m. 700f.

This herd averaged between 15,000 & 16,000 lbs. in milk last year. These are young rough boned and good uddered cows, not burned out and making milk on high roughage. If you need cows that milk 70 lbs. to 100 lbs. per day don't miss this sale. If you want to up your D.H.I.A. records these are the cows to buy. This is an opportunity to get milk and foundation cows to build your herd. This is one of the fanciest herds going through our barn this year.

SPECIAL MENTION

One load of Reg. & Grade cows and heifers out of New England States consigned by Johnny Jr.

Two fancy show heifers. One is a Red & White Holstein in Brattleboro Assoc.

Reg. 2 yr. Ca. Lill Standout Cavalier +2027m +43f. Daugh. Avg. 18,817m 653f. - Milking 50 lbs. 232d. 12,382m 3.56 prog. 17,000m. Due Oct. 15 to Ed Farm Maple Chief Red. Son of Pawnee Farm Arlinda Chief. Dam - V.G. R. Maple Daugh. 24,025m 4.% 955f.

Reg. 2 yr. Pen-Dell Apollo King Arthur. V.G. 88 +1012m +54f. Daughs. Avg. 17,262m. 649f. milking with 1st calf - 50 lbs. 189d. 10,700m 3.6t. prog; 18,000m. Due Nov. 9 to Shirbert Perfered Spraker.

Reg. 4 yr. Rose E Vue Rockman Count. Daughs. Avg. 17,428m. 624f. +1465m. +45f. 2 yr. 305d. 13,671m. 476f. 3 yr. 286d. 14,946m. 452f.

Fancy 4 yr. Grade - milking 55 lbs. 316d. 19,616m. 706f. Due Oct. 18 to Sun Valley Sensation Neil. Daughs. Avg. 18,218m. 669f. +1551m. +70f.

Ten cows out of one herd being dispersed as they freshen and start to Spring. Some milking 64-65 lbs. now.

Also selling - Reg. 2 yr. old. Proud Performer. Grade 4 yr. old milking 82 lbs. - 377 days 21,200m. 3.7t 700f.

Reg. Holstein Bull - Born 7-14-81 - Son of Jemini - Dam V.G. Elevation daughter. 2 yr. over 15,000m. 4.1t 615f.

Gr. Dam - G.P. 84 Kingpin Daugh. 18,382m. 4.3t 790f. Lifetime 132,000m.

Reg. Holstein Bull - C-Shorelea Citaton Mark A. Canadian Sire - Proven

Dam - V.G. 88 - 3 yr. 11m. 295d. 16,247m. 3.9t 639f. 4 yr. 10m. 305d. 17,946m. 3.9t. 708f. - 5 yr. 11m. 365d. 19,923m. 3.6t. 720f.

Grade Bull - Harrisburg Gay Ideal - Proven Dam 365d. 23,000m 700f.

Cows milked at Regular time.

Cash or good check night of sale

Sale Managed by
SMOKETOWN QUALITY DAIRY SALES
Gordon & Helen Fritz
717-393-0930

Carl Diller & Paul Snyder Auctioneers
Henry Kettering - Pedigrees
Catalogs at Ringside **Johnny's Lunch Wagon**

Grand Champion Holstein of the 1982 Lancaster County 4-H Dairy Show, exhibited by Mark Welk, made her local debut as a two-week-old calf at a dispersal sale at Smoketown Quality Dairy Sales. The calf from Vermont was purchased at Smoketown by Stonehurst Farms, who passed her along to Paul Welk, and finally to his son, Mark.

SHORT NOTICE SALE
THURSDAY, AUGUST 12
12:00 Noon

Shop equipment and small tools. Located along north Hershey Avenue. Rt. 23 in Bareville, turn on N. Hershey Avenue. 1 mile to sale.

Terms By:
PETER C. NOLT, ESTATE
Auctioneers: Paul W. Horst
Larmar Z. Sensenig

PUBLIC SALE
THURS. SEPT. 2
2 P.M.
60 ACRE DAIRY FARM
LIMESTONE SOIL

Located Salisbury Twp. Lanc. Co. Pa. 6 miles east of Intercourse, 1 mile north of White Horse on 897.

Bank barn, 51 cow stalls, manure pit, 7 room frame house.

Terms By
ABRAM L. & ANNA ME KING
Auct. Steve Petersheim
717-786-4624

C.H. WOLGEMUTH & SONS
FARM FARM EQUIP. SALE
THURS., AUGUST 26, 1982
At 9:30 A.M.

Located 4 miles West of Manheim, along Valley Rd. Just off Hosler Rd. 1 mile W. of E. Fairview Brethren Church. 10 min. from Rt. 283 Mt. Joy Bypass. Look for signs.

TRACTORS - FARM EQUIP. - HARVESTERS - CORN PICKERS - John Deere - Internationals - Fords - Oliver - Case - A.C. & others. Some with equipment. Lawn & garden Tractors. Trucks & Cars, New & Used Tools and the usual run of Misc. Items. Posts, Etc. Harvesters - Corn Pickers - Balers - Haybines - Mowers - Rakes - Spreaders, Forage & other wagons, Rotary mowers, Tires & the usual run of Equip. COUSIN WITH DRY GOODS.

ATTENTION - Farmers & Dealers- Bring in your Equip. for this sale. Open to receive Goods beginning Aug. 19, 8 to 5 Sat. till 4. Two days before sale till 7 P.M.

TERMS: CASH OR GOOD CHECK
CLOSED SUNDAYS LUNCH AVAILABLE
C.H. WOLGEMUTH,
SALE MANAGER
RR2 Manheim, Pa.
Phone (717) 665-5664
Horst, Rentzel, Shaffner &
Bob Wolgemuth
Auctioneers

Good's Auction
111 North Maple Ave.
Leola, PA

Hay, Straw and Corn Sales
Every Wednesday at 12:00 Noon

Farm Machinery Sales
First and Third Wednesday of Each Month Jan. through Oct.
Farm Machinery Accepted At Any Time From 7 A.M. to 6 P.M.
Sat. Til 12:00 Noon

No Small Items Will Be Accepted At Any Time. All Small Items Must Be Brought In Day of Sale And Sold Off of Trucks or Wagons.

Positively No Unloading Day of Sale Except Lawn And Garden Equipment, Farm Machinery and Big Equipment.

Tool and Hardware at 9:00
Shop Equipment & Lawn (and Garden Equip. at 12:00)
Machinery at 1:00

No Household Goods
No Out of State Checks
Selling With 6 Auctioneers

DAVID H. GOOD & SONS
111 North Maple Ave., Leola
717-656-9558

PUBLIC AUCTION
VALUABLE REAL ESTATE
PLUMBING TOOLS - INVENTORY & ANTIQUES
SATURDAY, AUGUST 14, 1982
9:00 A.M.
Real Estate 11:00 A.M.
132-36 Arch Street, Lancaster, PA

REAL ESTATE - Unique 3 floor tobacco warehouse, zoned residential with carriage house attached, suitable for garaging vehicles, presently utilized as a warehouse & plumbing business. Building contains 8000 sq. ft. of floor space.

Terms: 10% down; balance 30 days.

PERSONAL PROPERTY - NEW sinks, fixtures, square & standard tubs, colored bowls, wash stands, white & colored, tubing & pipe.

USED - Toilets, tubs, sinks, iron & porcelain, infra-ray heaters, oil tanks, pipes, fittings, radiators. Some antique & fancy, claw foot tubs, tools, block & fall, sewer tapes, 40' extension ladders, roofkickers, pipe dies & handles, vice, caulking irons, misc. hand tools, pipe drive, sheet metal, copper spouting, smoke pipe, lots of nice metal shelves.

ANTIQUES - Doors, marble sink tops, pedestal sink, empire rocker, wicker rocker, trunks, chests, lighting, iron cribs, cabinets, grand opera house tin sign, tobacco sign, walnut spool bed, barber chair, conference table, wash stand, mission oak furniture, wagon wheel, wooden medicine chests, inside & outside shutters, nail kegs, beer trays.

This is a small list representing 3 full floors of inventory, complete liquidation. All inventory must go to the highest bidder.

Sale by
PAUL W. YOUNG

Inspection: Sat., July 24th, 10 AM to 1 PM; Sat., July 31, 10AM-1PM or by appointment.
E.M. Murry Associates
Auctioneers
626-5244
Elmer-Richard-Ken
Our Services are Not A Side Line

E.M. Murry Associates
287 Lime Rock Road
Lititz, PA 17543
Elmer Murry 626-5244 - 626-2636
Richard Murry 626-8175 - 949-2280
Ken Miller 665-2073
Professional Auctioneers
Appraisers and Advisors
Since 1953

John May, Attorney

Public Sales Register

Closing Date - Monday, 5:00 P.M.
of each week's publication

TUES OCT 19 10 A M Public Sale of Cattle Located Dutchess Co Fair Grounds, Rhinebeck, NY, Kaindale Farm, Amenia, NY. Hanover Hill Sales and Service, Inc

WED OCT 20 9 A M Consignment Sale by David H Good located ½ mile North of Route 23 on North Maple Ave. in Leola. Lancaster Co., PA Watch for sale signs F Snyder, R Martin, C Wolgemuth J Fry and L Horst, Auctioneer

SAT OCT. 23 - Public Sale of Large Construction Equipment. Located at Camp Hill, PA. Vilsmeier Auction Co., Inc.

MON. OCT 25 - Shallow Creek Charolais 20th Anniversary Production Sumner, New Mixico Dennis and Jane Adams, Owners, Buzz Garey, 100 Walnut Lane Morrisville PA 19067, Sale Manager Garey Cattle Sales, Inc

SAT OCT 30 11 A M Consignment Horse Sale at the Keister's Middleburg Auction Sales, Inc Rt. 522, 3 miles East of Middleburg, 5 miles West of Selinsgrove, Pa Don & Walt Keister, Owners Ray Long & Dave Imes Auctioneers

NOVEMBER

FRI NOV 19 - 6 30 P M Consignment Sale of Cattle and Feeder Pigs Keister's Middleburg Aucton Sales, Inc Rt 522, 3 miles Est of Middleburg, 5 miles West of Selinsgrove, Pa Don & Walt Keister, Owners Ray Long & Dave Imes Auctioneers

SAT NOV 27 11 A M Consignment Horse Sale at the Keister's Middleburg Auction Sales, Inc Rt 522, 3 miles East of Middleburg, 5 miles West of Selinsgrove, Pa Don & Walt Keister, Owners Ray Long & Dave Imes Auctioneers.

DECEMBER

FRI. DEC 17 - 6 30 P M Consignment Sale of Cattle and Feeder Pigs Keister's Middleburg Auction Sales, Inc. Rt 522, 3 miles East of Middleburg, 5 miles West of Selinsgrove, Pa Don & Walt Keister, Owners. Ray Long & Dave Imes Auctioneers.

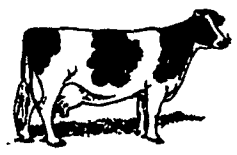
NOTICE

To assure that your Public Sale appears in the Public Sale Section we must have your advertisement by 4 P.M. Tuesday of each week's publication.

DEALER IN ALL KINDS OF LIVESTOCK
Also Crippled & Down Cattle

MARLIN S. IRWIN
Quarryville, PA
PH: 717-786-3016

NEW HOLLAND SALES STABLES



ANNUAL SUMMER PROMOTIONAL SALE

FRIDAY EVENING, AUGUST 20, 1982
At 7 P.M.

Sale barn located 12 miles east of Lancaster off Rt. 23.

150 Head Selling

Selected cows, 1st calf heifers, several purebred heifer calves and a few service age bulls.

This sale will feature top quality Holstein cattle, many purebreds with high records.

100 head of Registered Holsteins, mostly fresh or due this fall. Making selections for this sale are Henry Kettering 717-569-0675 and Dr. Keith Olin 717-299-9707 between 7 and 8 A.M. or John J. Stoltzfus 215-273-2315.

All animals will be tested for out of state shipment. Catalogs night of sale. For more information contact either Norman Kolb 717-397-5538 or Abe Diffenbach barn office 717-354-4341

PUBLIC SALE
OF 36 ACRE FARM & PERSONAL PROPERTY
SATURDAY, AUGUST 28, 1982
At 11:00 A.M.

Located along School Rd., between Bowmansville, and Fivepointville, Brecknock Township, Lancaster Co., Penna.

REAL ESTATE AT 1:00 P.M.

36 acre farm w/9 rm. frame house & attached wash-house, 40'x84' bank barn w/box stalls and heiffer pens, 2 story block barn w/24 comfort stalls, milk house w/380 gal. milk tank, 12'x50' Terre Hill silo, 2 work shops, 1200 bu. round corn crib.

TERMS: 10% down day of sale. Inspection anytime by appointment.

Terms by:
EUGENE & MARY WEAVER
Atty's: Wentz & Weaver
Elton & Alvin Horning, Auctioneers
HORNING FARM AGENCY, INC.
Main St., Morgantown, Pa. 19543
215-286-5183

SALE EVERY TUESDAY
Graded Sale
1st Tuesday each month
2 P.M.
Horse Auction
2nd Saturday each month
1 P.M.
FAUQUIER LIVESTOCK EXCHANGE
Marshall, Va.
703-364-1566

AUCTIONEER
RANDY STOLTZFUS
All Types of Public Sales
We Handle Them
All - Large and Small
Leola, PA
717-656-6733

C.H. WOLGEMUTH
RD #2, MANHEIM PA
AUCTIONEER
Member of
COMPLETE AUCTION SERVICE
CALL
717-665-5664

AUCTIONEERS
JOHN E. MARTIN
Ephrata, Penna.
717-733-3511
AND
PAUL E. MARTIN
Stevens, Penna
717-733-3305
Professional Auction Service

AUCTIONEERS
FRANK & PAUL SNYDER
Livestock, Farm Equipment, Household Goods, Antiques
No sale too small or too large
717-859-2688
717-733-7052

KREIDER & KLINE AUCTIONEERS
COMPLETE PROFESSIONAL AUCTION SERVICE
REAL ESTATE — FARMS & RESIDENTIAL
PERSONAL PROPERTY — ANTIQUES —
FARM STOCK SALES — LIQUIDATIONS

RANDAL V. KLINE
AUCTIONEER REALTOR
717 733 1006
717 354 4071

LLOYD H. KREIDER
AUCTIONEER
717 786 3394

HOLSTEIN COW SALE

HERD DISPERSAL OF C. WITMER SHERER

THURSDAY NIGHT, AUGUST 5,

7:30 PM

MELVIN KOLB, INC.

LOCATION: West of Lancaster on Dairy Road. Take Rt. 283 west of Lancaster, exit beyond ABC Stud Barns at Flory Mill Road., turn left after exiting, go to mill, then sharp right under railroad bridge. Barn within sight of Rt. 283.

Herd consists of 48 HEAD OF PUREBRED COWS, SPRINGING HEIFERS & CALVES. Selling at same time: 20 PB cows, a select number with Pedigrees. 20 Fancy PB heifers from quality dams & sires. 40 Big strong grade cows milking from 80 to 100 lbs. 20 Good first calf heifers with alot of quality.

Daughters of Popular Sires Selling
ELEVATION, IVANHOE STAR, ROCKET, JET STREAM, LAWCREST MARVEX, JOB, SUPERIOR, JEMINI, ALTITUDE, SAMSON, IVANHOE JERRY, KENNEDY, HARRISBURG GAY, and many more.

SOME OF THE TOP COWS SELLING:

VG-85 ELEVATION dau., bred 10/14/81 to OCH LEE CHIEF MONEYMAKER, as a 3-10 305d 15,102M 4.6% 695f, her dam IVANHOE STAR 315d 19,756M 4.0% 786f.

GP-81 ELEVATION dau., bred 9/5/81 to BROOKFIELD FALCON, 3-07 363d 24,613M 3.2% 780f, from a GP-81 dam 2-02 352d 18,710M 3.8% 728f.

VG-87 PEN OCH KENNEDY dau., as 5-10 365d 26,121M 3.1% 849f, with her ELEVATION dau., GP-82, as 3-07 306d 17,301M 3.4% 580f, bred 9/30/81 to STARLITE WILLIE.

VG-86 IVANHOE STAR dau., bred 3/4/81 to CREEK, as 6-0 365d 23,919M 4.2% 985f.

VG-85 IVANHOE STAR dau., bred 1/10/82 to DIAMOND S KINGMAN, as 5-3 309d 20,356M 3.6% 732f.

VG-86 ROCKET dau., bred 4/23/82 to ELEVATION PABST, proj. 305d 19,270M 690f with her 2 yr. old WHITTER FARM ALTITTUDE dau. just fresh in June, a real nice heifer.

GP-83 JET STREAM dau., bred 5/10/82 to ELEVATION TONY, as 5-0 327d 19,419M 3.7% 720f.

VG-86 IVANHOE JERRY dau., bred 5/29/82 to REID PERFECTOR, as 8-02 314d 20,442M 3.9% 803f.

VG-87 MERRY KING dau., bred 2/13/82 to LINCOLN, as 3-0 proj. 305d 20,900M 3.7% 769f

SPECIAL MENTION FROM THE 20 PB COWS SELECTED:

A 3 yr. old LE DEL ELEVATION CHRIS dau., PDM +2059 95%R 1/82 PD% -30 PDF +27, bred 11/12/81 to DANDY-LEA BICENTENNIAL BART +1249M, as 2-0 362d 19,417M 3.7% 721f, her dam EX as 7-3 365d 23,562M 4.2% 997f, next dam EX as 11-11 365d 30,034M 3.6% 1090f, Lifetime 233,789M 8,905f, next dam VG as 8-03 359d 23,428M 4.5% 1,081f, next dam VG as 12-10 365d 22,512f 4.0% 900f, 5th generation. GMD dams, Mat. Sister: 1 EX as 5-9 305d 24,695M 3.5% 860f, two more maternal sisters VG. A 3 yr. old BROWNDALE SIR CHRISTOPHER dau., GP March 1982 in Canada, bred 10/31/81 to ZELDRUST FOND MEMORY EX-97, as 2 yr. in Canada 305d 14,333M 3.9% 566f. A 3 yr. old WILLOW dau., bred 10/7/81 to OCEAN-VIEW SEXATION, from VG-88 GLENDELL ARLINDA CHIEF dau. as 4-1 322d 25,593M 3.5 908F, cow index +1421M +50F, next dam VG-85 IVANHOE STAR dau. as 4-5 312d 18,146M 4.4 793F, the WILLOW's record as 2-2 293d 14,786M 3.7 542F, cow index +1367M 44F.

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